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Pennsylvania Dept. of Highways

Report of the State Highway Commissioner...

Harrisburg, Pa.

1913

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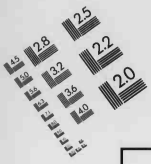

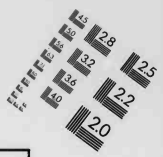

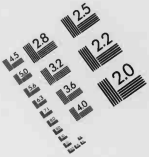

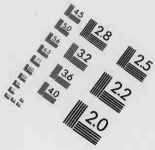

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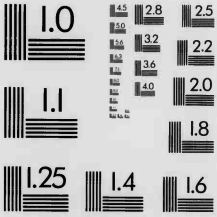

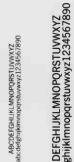

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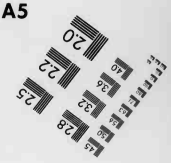

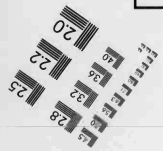

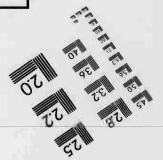

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REPORT

OF THE

STATE HIGHWAY COMMISSIONER

TO THE

HOUSE OF REPRESENTATIVES OF PENNSYLVANIA

FEBRUARY 5th, 1913.

Commonwealth of Pennsylvania.

REPORT

OF THE

STATE HIGHWAY COMMISSIONER

TO THE

HOUSE OF REPRESENTATIVES OF PENNSYLVANIA

FEBRUARY 5th, 1913.

Required by Resolution Adopted by the House of Representatives January 22nd, 1913.

HARRISBURG:
C. E. AUGHINBAUGH, PRINTER TO THE STATE OF PENNSYLVANIA
1913.

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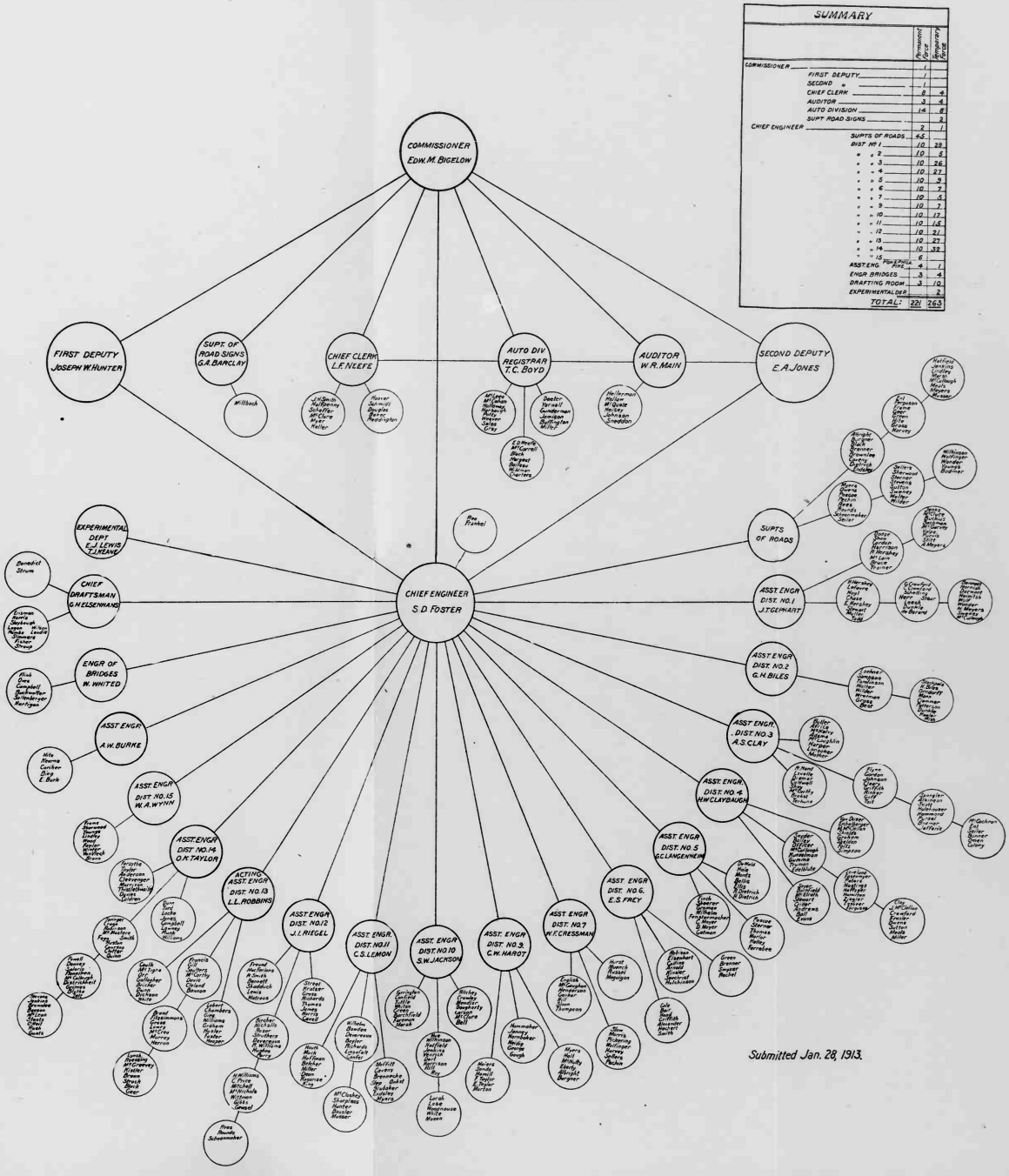
STATE HIGHWAY DEPARTMENT
COMMONWEALTH OF PENNSYLVANIA
ORGANIZATION PLAN.


SUMMARY
COMMISSIONER 1
FIRST DEPUTY 1
SECOND " 1
CHIEF CLERK 9 4
AUDITOR 3 4
AUTO DIVISION 14 8
SUPT ROAD SIGNS 3
CHIEF ENGINEER 2 1
SUPTS OF ROADS 45
DIST NO 1 10 29
" " 2 10 5
" " 3 10 26
" " 4 10 27
" " 5 10 9
" " 6 10 7
" " 7 10 5
" " 9 10 7
" " 10 10 17
" " 11 10 15
" " 12 10 21
" " 13 10 27
" " 14 10 32
" " 15 6
ASST ENG Phila & Phila Port 4 1
ENGR BRIDGES 3 4
DRAFTING ROOM 3 10
EXPERIMENTAL DEPT 2
TOTAL: 221 263
COMMISSIONER Edw. M. Bigelow
FIRST DEPUTY Joseph W. Hunter
SUPT. OF ROAD SIGNS G.A. Barclay
CHIEF CLERK L.F. Neefe
AUTO DIV REGISTRAR T.C. Boyd
AUDITOR W.R. Main
SECOND DEPUTY E.A. Jones
EXPERIMENTAL DEPT E.J. Lewis
CHIEF DRAFTSMAN G.H. Elsenhans
ENGR OF BRIDGES W. Whited
ASST. ENGR A.W. Burke
CHIEF ENGINEER S.D. Foster
SUPTS OF ROADS
ASST ENGR DIST. NO. 1 J.T. Gephart
ASST ENGR DIST. NO. 2 G.H. Biles
ASST ENGR. DIST. NO. 3 A.S. Clay
ASST ENGR DIST. NO. 4 H.W. Clayback
ASST ENGR DIST. NO. 5 G.C. Langenheim
ASST ENGR DIST. NO. 6 E.S. Frey
ASST ENGR DIST. NO. 7 W.F. Cressman
ASST ENGR DIST. NO. 9 C.W. Harot
ASST ENGR DIST. NO. 10 S.W. Jackson
ASST ENGR DIST. NO. 11 C.S. Lemon
ASST ENGR DIST. NO. 12 J.I. Riegel
ACTING ASST ENGR DIST. NO. 13 L.L. Robbins
ASST ENGR DIST. NO. 14 O.K. Taylor
ASST ENGR DIST. NO. 15 W.A. Wynn
Submitted Jan. 28, 1913.

RESOLUTION REQUESTING INFORMATION FROM THE STATE HIGHWAY DEPARTMENT.

In the House of Representatives, January 22nd, 1913.

Whereas, The State Highway Commissioner has filed no report of the conduct of the State Highway Department since last session of the General Assembly, and

Whereas, Large sums of public moneys have been appropriated to and expended by that Department since the last published report of said Department, and

Whereas, It is essential that this House should have full knowledge of the operations of this Department, in order that it may be enabled to consider intelligently legislative matters affecting said department;

Therefore be it

Resolved, That the Commissioner of Highways be and is hereby required to forthwith furnish to this House full, complete and detailed information as follows:

(a) An itemized statement of the expenditures of the appropriation made by Act of 1911.

(b) A complete statement of all contracts let by the said Department since the date of the last published report, giving the name of the contractor and setting forth the location of the roads or other improvement, the amount of work done and payments therefor.

(c) The number of miles of roads constructed, the amount paid therefor and the portion thereof, if any, paid by counties and townships, and also

(d) A full report of the work and operations of the said department, including a detailed statement of all moneys expended for salaries, expenses of all kinds and costs of maintaining said department, together with a list of the names of all officers and employes thereof and the compensation received by each.

STATE HIGHWAY FUND

STATEMENT OF EXPENDITURES

JUNE 1, 1911 TO JAN. 1, 1913.

To The Honorable George E. Alter, Speaker,
And The Members of The House of Representatives,
Harrisburg, Pennsylvania, February 4, 1913.

Sirs:—In pursuance of your resolution of date January 22, 1913, I submit herewith a report as of date January 1, 1913. Inasmuch as the fiscal year of the Highway Department closes on May 31, of each year, and as the Annual Report is regularly made at that time, I have included in this report full details of the expenditures of the Department between the dates of June 1, 1911, and January 1, 1913.

This report is submitted to you herewith, and attached hereto are schedules showing detailed statements of expenditures and work done by the Department under all contracts, and divided so as to show the district and county in which the work was performed. The report also includes the administration, surveying, construction and maintenance, and the statements of all material, supplies, machinery and equipment purchased. In the fore part of these schedules is shown a summarized statement of each appropriation, showing the total appropriation, and the charges as at January 1, 1913, made against the same as follows:—

SCHEDULE "A-1"—Covers the contracts in force between the above dates, and includes the maintenance contracts on which the work was done by the Department contractors, furnishing labor and equipment on a percentage basis, the material for which was purchased by the Department. It is itemized under the following heads: The county and township in which the work was done, the route number, the contractor's name, the date of the execution of the contract, the amount of the contract, the amount paid January 1, 1913, the cost of advertising, the length contracted for and the percentage of work completed.

SCHEDULE "A-2"—Is a report covering the expense of surveying and plotting the various Highway Routes designated in the Act of May 31, 1911, together with general engineering expense of the roads at present under construction. This schedule is in detail as to cost per mile for surveying and plotting for each route.

SCHEDULE "A-3"—Is a statement of maintenance expense, and shows the route number, the counties, the total mileage of the route, and the mileage worked by the Highway Department's maintenance forces in each county; the number of men and teams employed, the amount of money expended for labor and material, and a total maintenance cost of each route.

SCHEDULE "A-4"—Is a statement of the costs of surveying, plotting and printing the maps of the various counties of the State.

SCHEDULE "A-5"—Is a statement of the purchase of equipment, machinery and tools.

SCHEDULE "A-6"—Is a statement of Departmental Expenses.

SCHEDULE "A-7"—Is a statement of maintenance work done by the County Commissioners, in which the counties shared the costs.

SCHEDULE "B"—State-aid Fund, Act of 1911, shows the county, township and application number, the name of the contractor, the date of the contract, the amount paid as of January 1, 1913, the length contracted, and the percentage of work completed.

SCHEDULE "C"—Covers the State-aid Fund, Act of 1907 and 1909, and is in same detail as Schedule "B."

SCHEDULE "D"—Is a statement of the Cumberland Road Fund Appropriation, and is in detail as Schedule "B" and "C."

SCHEDULE "E"—Shows the expenditures under the appropriation for all Experiments and Tests.

SCHEDULE "F"—Is a detailed statement of Expenditures of the Traveling Expense Fund.

SCHEDULE "G"—Shows detailed statement of Expenditures of Contingent Fund appropriation.

SCHEDULE "H"—Shows detail expenditures of the Automobile Contingent Fund appropriation.

Attached herewith also find a list of the employees of this Department, which includes the permanent forces and the persons temporarily employed in the central offices and the various division offices, together with an organization chart.

Respectfully submitted,

EDWARD M. BIGELOW,

State Highway Commissioner.

January 15, 1913.

STATE HIGHWAY DEPARTMENT ORGANIZATION.

Name.	Position.	Location.	County from Which Appointed.
Edward M. Bigelow,	Commissioner,	State Highway Dept.,	Allegheny.
Joseph W. Hunter,	First Deputy,	State Highway Dept.,	Montgomery.
E. A. Jones,	Second Deputy,	State Highway Dept.,	Lackawanna.
Wm. R. Main,	Auditor,	State Highway Dept.,	Allegheny.
Samuel D. Foster,	Chief Engineer,	State Highway Dept.,	Allegheny.
Willis Whited,	Bridge Engineer,	State Highway Dept.,	Allegheny.
G. A. Albright,	Supt. of Highways,	Middlesex,	Cumberland.
M. K. Burgner,	Supt. of Highways,	Chambersburg,	Franklin.
Robert Black,	Supt. of Highways,	Pittsburgh,	Allegheny.
Wm. Bodner,	Supt. of Highways,	Wilkes-Barre,	Luzerne.
M. E. Brenner,	Supt. of Highways,	Witmer,	Lancaster.
N. O. Brownlee,	Supt. of Highways,	Taylorstown,	Washington.
E. Leo Coveny,	Supt. of Highways,	Everett,	Bedford.
R. D. Dietrich,	Supt. of Highways,	Allentown,	Lehigh.
G. F. Endsley,	Supt. of Highways,	Somerfield,	Somerset.
C. B. Ent,	Supt. of Highways,	Bloomsburg,	Columbia.
C. C. Ferguson,	Supt. of Highways,	Butler,	Butler.
T. C. Frame,	Supt. of Highways,	Warren,	Warren.
J. Henry Geer,	Supt. of Highways,	New Brighton,	Beaver.
Thomas Green,	Supt. of Highways,	York Haven,	York.
F. D. Gross,	Supt. of Highways,	Thompsontown,	Juniata.
Ernest Harvey,	Supt. of Highways,	Woodbourne,	Bucks.
W. H. Hatfield,	Supt. of Highways,	Mansfield,	Tioga.
W. L. Hite,	Supt. of Highways,	Sewickley,	Allegheny.
G. D. Jenkins,	Supt. of Highways,	Hickory,	Washington.
G. O. Lindley,	Supt. of Highways,	St. Marys,	Elk.
L. H. Marsh,	Supt. of Highways,	Towanda,	Bradford.
T. J. McCullough,	Supt. of Highways,	Wampum,	Lawrence.
C. E. Meals,	Supt. of Highways,	Kittanning,	Armstrong.
W. D. Meyers,	Supt. of Highways,	Bellefonte,	Centre.
F. R. Musser,	Supt. of Highways,	Tyrone,	Blair.
T. H. Myers,	Supt. of Highways,	Ashville,	Cambria.
J. M. Owens,	Supt. of Highways,	Strattonville,	Clarion.
W. H. Pascoe,	Supt. of Highways,	Allentown,	Lehigh.
J. R. Pechin,	Supt. of Highways,	West Chester,	Chester.
Willis K. Rees,	Supt. of Highways,	Rendham,	Lackawanna.
O. T. Rounds,	Supt. of Highways,	Uniondale,	Susquehanna.
T. A. Schoonmaker,	Supt. of Highways,	Scranton,	Lackawanna.
I. J. Seiler,	Supt. of Highways,	Selinsgrove,	Snyder.
A. A. Sellers,	Supt. of Highways,	Wayne,	Delaware.
L. H. Sherwood,	Supt. of Highways,	Meadville,	Crawford.
C. E. Sterner,	Supt. of Highways,	Pottsville,	Schuylkill.
H. B. Stevens,	Supt. of Highways,	Uniontown,	Fayette.
R. M. Sutton,	Supt. of Highways,	Franklin,	Venango.
C. F. Sweney,	Supt. of Highways,	Clearfield,	Clearfield.
C. P. Walter,	Supt. of Highways,	Harrisburg,	Dauphin.
H. L. Wilder,	Supt. of Highways,	Annville,	Lebanon.
A. E. Wilkinson,	Supt. of Highways,	Williamsport,	Lycoming.
W. R. Wolfinger,	Supt. of Highways,	Norristown,	Montgomery.
A. M. Wonder,	Supt. of Highways,	Indiana,	Indiana.
L. G. Youngs,	Supt. of Highways,	North East,	Erie.
G. H. Biles,	Assistant Engineer,	State Highway Dept.,	Philadelphia.
A. W. Burk,	Assistant Engineer,	Pittsburgh,	Allegheny.
A. S. Clay,	Assistant Engineer,	Bloomsburg,	Philadelphia.
H. W. Claybaugh,	Assistant Engineer,	Franklin,	Venango.
W. F. Cressman,	Assistant Engineer,	Philadelphia,	Bucks.
E. S. Frey,	Assistant Engineer,	York,	York.
J. T. Gephart, Jr.,	Assistant Engineer,	Clearfield,	Clearfield.
C. W. Hardt,	Assistant Engineer,	State Highway Dept.,	Cumberland.
S. W. Jackson,	Assistant Engineer,	Wellsboro,	Crawford.
G. C. Langenheim,	Assistant Engineer,	Allentown,	Allegheny.
C. S. Lemon,	Assistant Engineer,	Hollidaysburg,	Blair.
J. I. Riegel,	Assistant Engineer,	Scranton,	Lackawanna.
O. K. Taylor, Jr.,	Assistant Engineer,	Washington,	Washington.
W. A. Wynn,	Assistant Engineer,	Warren,	Warren.
G. H. Eisenhans,	Chief Draughtsman,	State Highway Dept.,	Montgomery.
G. A. Flink,	Asst. Draughtsman,	State Highway Dept.,	Dauphin.
G. M. Oves,	Asst. Draughtsman,	State Highway Dept.,	Dauphin.

STATE HIGHWAY DEPARTMENT—Continued.

Name.	Position.	Location.	County from Which Appointed.
R. C. Benedict,	Asst. Draughtsman,	State Highway Dept.,	Erie.
C. P. Strum,	Asst. Draughtsman,	State Highway Dept.,	Allegheny.
L. F. Neefe,	Chief Clerk,	State Highway Dept.,	Potter.
A. C. Frankel,	Clerk,	State Highway Dept.,	Allegheny.
J. H. Smith,	Clerk,	State Highway Dept.,	Lancaster.
H. B. Halfpenny,	Clerk,	State Highway Dept.,	Dauphin.
W. T. Scheffer,	Clerk,	State Highway Dept.,	Dauphin.
B. I. McClure,	Stenographer,	State Highway Dept.,	Dauphin.
T. Glen Myer,	Stenographer,	State Highway Dept.,	Erie.
N. L. Keller,	Stenographer,	State Highway Dept.,	Dauphin.
A. J. Hoover,	Stenographer,	State Highway Dept.,	Cumberland.
G. J. Hellerman,	Book-keeper,	State Highway Dept.,	Montgomery.
N. A. Kellow,	Book-keeper,	State Highway Dept.,	Lackawanna.

STATEMENT.

Showing positions created by the Sproul Road Law, monthly compensation, moneys expended from June 1, 1911, to January 1, 1913; also the amount required to June 1, 1913, together with an estimated balance of $32,590.09 to be returned to the State Treasury Department on June 1, 1913.

Position.	Monthly salary.	Expended from June 1, 1911, to Jan. 1, 1913.	Required for Period Jan. 1, 1913, to June 1, 1913.	Total Amount Expended and Required	Appropriation June 1, 1911, to June 1, 1913.
Commissioner,	$666⅔	$12,666 67	$3,333 33	$16,000 00	$288,800 00
First Deputy,	500	9,500 00	2,500 00	12,000 00	
Second Deputy,	500	8,500 00	2,500 00	11,000 00	
Auditor,	250	4,000 00	1,250 00	5,250 00	
Chief Engineer,	583⅓	10,500 00	2,916 67	13,416 67	
Bridge Engineer,	300	4,500 00	1,500 00	6,000 00	
Superintendents,	125	44,109 89	31,250 00	75,359 89	
Assistant Engineers,	200	55,500 00	15,000 00	70,500 00	
Chief Draftsman,	200	2,600 00	1,000 00	3,600 00	
Assistant Draftsman,	150	11,100 00	3,000 00	14,100 00	
Chief Clerk,	200	3,800 00	1,000 00	4,800 00	
Clerks,	100	7,200 00	2,000 00	9,200 00	
Stenographers,	100	7,383 34	2,000 00	9,383 34	
Book-keepers,	133⅓	4,266 68	1,333 33	5,600 01	
Total,		$185,626 58	$70,583 33	$256,209 91	$256,209 91
Estimated balance to be returned to State Treasury, June 1, 1913,					$32,590 09

MAIN OFFICE—EXTRA CLERKS TEMPORARILY EMPLOYED.

Name.	Position.	Monthly salary.	Location.
R. C. McQuate,	Stenographer,	$83 33	State Highway Dept.
H. F. Heisey,	Stenographer,	83 33	State Highway Dept.
C. M. Johnson,	Clerk,	83 33	State Highway Dept.
J. W. Snedden,	Clerk,	83 33	State Highway Dept.
Geo. H. Schmidt,	Clerk,	83 33	State Highway Dept.
H. A. Douglas,	Blueprint operator,	100 00	State Highway Dept.
G. A. Barclay,	Inspector or signs,	150 00	Pittsburgh office.
A. L. Millbach,	Clerk to G. A. B.,	75 00	Pittsburgh office.
James Rea,	Mechanician,	100 00	State Highway Dept.
John H. Baker,	Messenger,	83 33	State Highway Dept.

STATEMENT.

Showing the amount expended from State Highway Fund to January 1, 1913, for payment of salaries for clerks temporarily employed in the main office.

	Monthly salary.	Expended from June 1, 1911, to January 1, 1913.
Asphalt superintendent,	$200 00	$1,000 00
Supt. of Signs,	150 00	2,400 00
Clerks,	100 00	2,500 00
Clerks,	83⅓	3,221 40
Clerks,	75 00	327 50
Mechanicians,	100 00	2,000 00
		$11,458 90

AUTOMOBILE DIVISION.

(There are no specific positions provided for either in the Sproul Road Law or the Automobile Act. Salaries are paid from the appropriation made for contingent expenses of the Automobile Division.)

Name.	Position.	Monthly salary.	Location.
Thos. C. Boyd,	Registrar,	$150 00	State Highway Dept.
Wm. M. Patty,	Stenographer,	100 00	State Highway Dept.
S. R. Weaver,	Stenographer,	100 00	State Highway Dept.
H. H. McLees,	Clerk,	100 00	State Highway Dept.
G. C. McCahan,	Clerk,	100 00	State Highway Dept.
H. W. Miller,	Clerk,	100 00	State Highway Dept.
H. C. Holloway,	Clerk,	83 33	State Highway Dept.
N. L. Yarnall,	Clerk,	83 33	State Highway Dept.
H. A. Gunderman,	Clerk,	83 33	State Highway Dept.
Philip D. Jamison,	Clerk,	83 33	State Highway Dept.
J. S. Black,	Stenographer,	83 33	State Highway Dept.
A. S. Deeter,	Clerk,	83 33	State Highway Dept.
F. M. Gray,	Clerk,	83 33	State Highway Dept.
H. S. Harbaugh,	Messenger,	65 00	State Highway Dept.

TEMPORARILY EMPLOYED.

H. F. Buffington,	Clerk,	$83 33	State Highway Dept.
E. Donald Neefe,	Clerk,	83 33	State Highway Dept.
J. J. Hargest, Jr.,	Clerk,	83 33	State Highway Dept.
F. B. Boileau,	Clerk,	83 33	State Highway Dept.
W. H. Charters,	Clerk,	83 33	State Highway Dept.
F. A. Sales,	Clerk,	83 33	State Highway Dept.
J. C. McCarrell,	Clerk,	83 33	State Highway Dept.
Aug. Wildman,	Clerk,	83 33	State Highway Dept.

STATEMENT.

Showing payments made to employees of the Automobile Division of the State Highway Department to January 1, 1913. These salaries are paid from the appropriation made for contingent expenses of the Automobile Division.

	Monthly salary.	Expended from June 1, 1911, to January 1, 1913.
Registrar,	$150 00	$2,850 00
Stenographers,	100 00	3,800 00
Stenographers,	83⅓	883 34
Clerks,	100 00	4,600 00
Clerks,	83⅓	13,186 48
Clerks,	65 00	910 00
Clerks,	50 00	250 00
[illegible]		$26,479 82

MAIN OFFICE DRAUGHTING ROOM TEMPORARILY EMPLOYED. GEORGE H. ELSENHANS, CHIEF DRAUGHTSMAN.

Name.	Position.	Monthly salary.	Location.
C. W. Erisman,	Draftsman,	$100 00	State Highway Dept.
I. K. Norris,	Draftsman,	100 00	State Highway Dept.
Mervin Slaybaugh,	Draftsman,	100 00	State Highway Dept.
Geo. R. Logan,	Draftsman,	100 00	State Highway Dept.
H. G. Wilson,	Draftsman,	100 00	State Highway Dept.
O. K. Simmers,	Draftsman,	100 00	State Highway Dept.
Thos. Reddington,	Draftsman,	100 00	State Highway Dept.
A. S. Rambo,	Draftsman,	75 00	State Highway Dept.
C. S. Landis,	Draftsman,	75 00	State Highway Dept.
C. T. Fisher,	Draftsman,	65 00	State Highway Dept.
J. M. Stroup,	Draftsman,	65 00	State Highway Dept.

MAIN OFFICE—BRIDGE DIVISION TEMPORARILY EMPLOYED. WILLIS WHITE, BRIDGE ENGINEER.

Name.	Position.	Monthly salary.	Location.
G. C. Campbell,	Draftsman,	$100 00	State Highway Dept.
H. D. Buckwalter,	Draftsman,	100 00	State Highway Dept.
G. L. Sollenberger,	Draftsman,	100 00	State Highway Dept.
W. P. Hartigan,	Transitman,	90 00	State Highway Dept.

DIVISION OFFICES.

The permanent employees in each Division Office comprise one clerk, two draftsmen and six members of construction corps; the balance of the employees here listed are temporarily employed on map work or as inspectors, as provided for in the Sproul road law.

JOHN T. GEPHART, JR., ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 1 WHICH CONSTITUTES THE COUNTIES OF CENTRE, CLEARFIELD, CLINTON AND INDIANA.

Name.	Position.	Monthly salary.	Location.
H. R. Hershey,	Chief of Construction,	$125 00	Clearfield.
J. C. Shaw,	Draftsman,	100 00	Clearfield,
W. M. deBerard,	Draftsman,	100 00	Clearfield,
F. W. Dodge,	Draftsman,	100 00	Clearfield,
W. O. Bennett,	Chief of Party,	100 00	Clearfield.
G. C. Crawford,	Chief of Party,	100 00	Clearfield.
H. E. Jenks,	Chief of Party,	100 00	Clearfield.
R. G. Harnish,	Transitman,	90 00	Clearfield.
C. R. Crawford,	Transitman,	90 00	Clearfield.
O. D. McClure,	Transitman,	90 00	Clearfield.
O. H. Bucklus,	Transitman,	90 00	Clearfield.
D. C. Lefevre,	Transitman,	90 00	Clearfield.
E. L. Hershey,	Levelman,	83 33	Clearfield.
J. B. Cardon,	Stenographer,	83 33	Clearfield.
C. H. Harrison,	Draftsman,	75 00	Clearfield.
W. F. Hoyt,	Draftsman,	75 00	Clearfield.
A. L. Meyers,	Chainman,	65 00	Clearfield,
A. Z. Wolf,	Chainman,	65 00	Clearfield,
J. L. Stewart,	Chainman,	65 00	Clearfield,
H. M. Dorwart,	Chainman,	65 00	Clearfield,
T. P. Schelling,	Chainman,	65 00	Clearfield,
E. M. Herr,	Chainman,	65 00	Clearfield,
A. F. Stear,	Chainman,	65 00	Clearfield,
S. A. Bachman,	Chainman,	65 00	Clearfield,
P. H. McGarvey,	Chainman,	65 00	Clearfield,
W. N. Todd,	Chainman,	65 00	Clearfield,
Jas. C. Mullen,	Chainman,	65 00	Clearfield,
J. M. Chase,	Chainman,	65 00	Clearfield,
J. K. Heinitsh,	Axeman,	55 00	Clearfield.
J. A. McLain,	Axeman,	55 00	Clearfield.
Robt. M. Bruce,	Axeman,	55 00	Clearfield.
G. M. Trainer,	Axeman,	55 00	Clearfield.
G. M. Purvis,	Axeman,	55 00	Clearfield.
Arthur Stitt,	Axeman,	55 00	Clearfield.
T. M. Dunkle,	Axeman,	55 00	Clearfield.
W. I. Leech,	Axeman,	55 00	Clearfield.
Ralph Volpe,	Rodman,	55 00	Clearfield.
R. M. Hershey,	Rodman,	55 00	Clearfield.
W. K. McCullough,	Axeman,	55 00	Clearfield.

GEORGE H. BILES, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 2, WHICH CONSTITUTES THE COUNTIES OF DAUPHIN, JUNIATA, LEBANON, MIFFLIN AND PERRY.

Name.	Position.	Monthly Salary.	Location.
D. C. Stackpole,	Chief of Construction,	$125 00	State Highway Dept.
George S. Mish,	Draftsman,	100 00	State Highway Dept.
G. T. Loehner,	Draftsman,	100 00	State Highway Dept.
G. P. Sampson,	Draftsman,	100 00	State Highway Dept.
E. L. Clemmer,	Inspector,	150 00	State Highway Dept.
J. F. Patterson,	Inspector,	90 00	State Highway Dept.
Geo. W. Dunkle,	Inspector,	90 00	State Highway Dept.
E. M. Best,	Inspector,	90 00	State Highway Dept.
H. Biles,	Transitman,	90 00	State Highway Dept.
C. W. Wretman,	Clerk,	83 33	State Highway Dept.
C. R. Orndorff,	Levelman,	83 33	State Highway Dept.
W. H. Mann,	Chainman,	65 00	State Highway Dept.
J. K. Tomlinson,	Chainman,	65 00	State Highway Dept.
E. V. Keeler,	Rodman,	65 00	State Highway Dept.

ARTHUR S. CLAY, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 3, WHICH CONSTITUTES THE COUNTIES OF COLUMBIA, LUZERNE, MONTOUR, NORTHUMBERLAND, SNYDER AND UNION.

Name.	Position.	Monthly salary.	Location.
W. L. Butler,	Chief of Construction,	$125 00	Bloomsburg.
R. A. McCachran,	Draftsman,	100 00	Bloomsburg.
F. E. Colony,	Inspector,	100 00	Bloomsburg.
R. Hand,	Inspector,	95 00	Bloomsburg.
James Bonner,	Inspector,	95 00	Bloomsburg.
R. H. Hammond,	Inspector,	95 00	Bloomsburg.
M. J. Flynn,	Inspector,	95 00	Bloomsburg.
B. F. McLaughlin,	Transitman,	90 00	Bloomsburg.
G. B. Spangler,	Transitman,	90 00	Bloomsburg.
J. D. Atkinson,	Transitman,	90 00	Bloomsburg.
F. Harper,	Transitman,	90 00	Bloomsburg.
W. R. Gordon,	Levelman,	83 33	Bloomsburg.
A. L. McCarthy,	Levelman,	83 33	Bloomsburg.
B. M. Africa,	Chainman,	65 00	Bloomsburg.
S. H. Diemer,	Chainman,	65 00	Bloomsburg.
M. F. Lavelle,	Chainman,	65 00	Bloomsburg.
John Goff,	Chainman,	65 00	Bloomsburg.
C. E. Johnson,	Chainman,	65 00	Bloomsburg.
R. G. Rinker,	Chainman,	65 00	Bloomsburg.
A. W. Longaker,	Chainman,	65 00	Bloomsburg.
R. C. Scott,	Chainman,	65 00	Bloomsburg.
P. Mather,	Chainman,	65 00	Bloomsburg.
A. W. Taft,	Chainman,	65 00	Bloomsburg.
E. M. Oman,	Clerk,	60 00	Bloomsburg.
Obed E. Pursel,	Rodman,	55 00	Bloomsburg.
G. A. Mckelvey, Jr.,	Rodman,	55 00	Bloomsburg.
F. M. Adams,	Rodman,	55 00	Bloomsburg.
W. J. Shay,	Rodman,	55 00	Bloomsburg.
R. F. Caldwell,	Rodman,	55 00	Bloomsburg.
J. Cleary,	Rodman,	55 00	Bloomsburg.
L. Griffith,	Rodman,	55 00	Bloomsburg.
R. J. Hulehouser,	Rodman,	55 00	Bloomsburg.
P. G. Jefferis,	Rodman,	55 00	Bloomsburg.
G. Terbune,	Rodman,	55 00	Bloomsburg.
F. R. Brobst,	Rodman,	55 00	Bloomsburg.

H. W. CLAYBAUGH, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 4, WHICH CONSTITUTES THE COUNTIES OF ARMSTRONG, BUTLER, CLARION, JEFFERSON, LAWRENCE, MERCER AND VENANGO.

Name.	Position.	Monthly salary.	Location.
W. A. VanDuzer,	Chief of Construction,	$125 00	Franklin.
H. H. Snyder,	Chief of Party,	100 00	Franklin.
F. D. Sayer,	Chief of Party,	100 00	Franklin.
J. W. Frazier,	Chief of Party,	100 00	Franklin.
C. E. Eichelberger,	Chief of Party,	100 00	Franklin.
A. J. Fasenmyer,	Draftsman,	100 00	Franklin.
V. E. Loveland,	Draftsman,	100 00	Franklin.
D. S. Peters,	Draftsman,	90 00	Franklin.
M. R. Naftzger,	Draftsman,	90 00	Franklin.
J. M. Hastings,	Draftsman,	90 00	Franklin.
F. H. Hamilton,	Draftsman,	90 00	Franklin.
H. J. Ziegler,	Draftsman,	75 00	Franklin.
G. P. Clay,	Draftsman,	75 00	Franklin.
T. C. Barnfield,	Transitman,	90 00	Franklin.
Chas. Foltz,	Transitman,	90 00	Franklin.
W. E. Bailey,	Transitman,	90 00	Franklin.
M. J. McClellan,	Transitman,	90 00	Franklin.
W. C. Simpson,	Inspector,	90 00	Franklin.
C. J. Eggbeer,	Clerk,	75 00	Franklin.
Harry A. Graham,	Chainman,	65 00	Franklin.
F. W. Officer,	Chainman,	65 00	Franklin.
Harry P. Shields,	Chainman,	65 00	Franklin.
R. W. Evans,	Chainman,	65 00	Franklin.
A. H. McElrath,	Chainman,	65 00	Franklin.
N. G. Edelblute,	Chainman,	65 00	Franklin.
F. C. Stewart,	Chainman,	65 00	Franklin.
G. W. Crider,	Chainman,	65 00	Franklin.
G. A. Ball,	Chainman,	65 00	Franklin.
E. G. Sheldon,	Rodman,	55 00	Franklin.
Joseph Andrews, Jr.,	Rodman,	55 00	Franklin.
J. S. Miller,	Rodman,	55 00	Franklin.
H. G. Crawford,	Rodman,	55 00	Franklin.
J. W. McClellan,	Rodman,	55 00	Franklin.
Ira Kunselman,	Rodman,	55 00	Franklin.
C. F. Gummo,	Rodman,	55 00	Franklin.
R. F. Truman,	Rodman,	55 00	Franklin.

G. C. LANGENHEIM, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 5, WHICH CONSTITUTES THE COUNTIES OF BERKS, CARBON, LEHIGH, NORTHAMPTON AND SCHUYLKILL.

Name.	Position.	Monthly salary.	Location.
N. G. Finch,	Chief of Party,	$125 00	Allentown.
W. G. Thomas,	Chief of Party,	100 00	Allentown.
H. B. DeWald,	Draftsman,	100 00	Allentown.
R. Harlor,	Transitman,	90 00	Allentown.
H. D. Dietrich,	Levelman,	83 33	Allentown.
Karl Scheerer,	Draftsman,	83 33	Allentown.
Chas. L. Moyer,	Draftsman,	80 00	Allentown.
John M. Hale,	Inspector,	65 00	Allentown.
Wm. Groman,	Inspector,	65 00	Allentown.
Preston Montz,	Inspector,	55 00	Allentown.
C. E. Wilhelm,	Chainman,	65 00	Allentown.
L. E. Kelley,	Chainman,	65 00	Allentown.
H. H. Ferrebee,	Rodman,	55 00	Allentown.
Irwin F. Bellis,	Rodman,	55 00	Allentown.
H. K. Fenstermacher,	Rodman,	55 00	Allentown.
Chas. S. Ellis,	Rodman,	55 00	Allentown.
D. E. Moyer,	Rodman,	55 00	Allentown.
C. S. Getman,	Rodman,	55 00	Allentown.

EDW. S. FREY, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 6, WHICH CONSTITUTES THE COUNTIES OF ADAMS, LANCASTER AND YORK.

Name.	Position.	Monthly salary.	Location.
C. E. Robison,	Supt. of Construction,	$125 00	York.
Geo. L. Bair,	Party Chief,	100 00	York.
C. E. Cole,	Draftsman,	100 00	York.
Geo. H. Hand,	Draftsman,	100 00	York.
H. B. Alexander,	Draftsman,	100 00	York.
J. M. Smyser,	Draftsman,	83 33	York.
I. K. Smith,	Draftsman,	75 00	York.
W. G. Rechel,	Transitman,	90 00	York.
K. S. Eisenhart,	Levelman,	83 33	York.
C. A. Griffith,	Clerk,	70 00	York.
S. M. Arnold,	Chainman,	65 00	York.
E. B. Collins,	Chainman,	65 00	York.
J. A. Hutchinson,	Chainman,	65 00	York.
F. E. Seachrist,	Chainman,	65 00	York.
F. A. Heckert,	Rodman,	55 00	York.
C. J. M. Kinsler,	Rodman,	55 00	York.

WARREN F. CRESSMAN, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 7, WHICH CONSTITUTES THE COUNTIES OF BUCKS, CHESTER, DELAWARE AND MONTGOMERY.

Name.	Position.	Monthly Salary.	Location.
H. T. McGaughan,	Party Chief,	$125 00	Philadelphia.
S. B. Hurst, Jr.,	Draftsman,	100 00	Philadelphia.
W. O. Muench, Jr.,	Draftsman,	100 00	Philadelphia.
Ed. Pickering, Jr.,	Draftsman,	100 00	Philadelphia.
Benj. F. Slaw,	Inspector,	100 00	Philadelphia.
J. G. English,	Transitman,	90 00	Philadelphia.
S. D. Henderson,	Levelman,	83 33	Philadelphia.
John Maguigan,	Clerk,	83 33	Philadelphia.
W. K. Morris,	Inspector,	75 00	Philadelphia.
H. D. Russell,	Bookkeeper,	75 00	Philadelphia.
R. H. Gerker,	Chainman,	65 00	Philadelphia.
F. J. Hill, Jr.,	Chainman,	65 00	Philadelphia.
C. C. Sloan,	Chainman,	65 00	Philadelphia.
H. A. Thomson,	Rodman,	55 00	Philadelphia.

C. W. HARDT, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 9, WHICH CONSTITUTES THE COUNTIES OF CUMBERLAND, FRANKLIN AND FULTON.

Name.	Position.	Monthly Salary.	Location.
W. S. Hammaker,	Chief of Construction,	$125 00	State Highway Dept.
F. M. Taylor,	Chief of Party,	125 00	State Highway Dept.
R. B. Hamill,	Draftsman,	100 00	State Highway Dept.
W. T. Janney,	Draftsman,	100 00	State Highway Dept.
C. E. Myers,	Draftsman,	100 00	State Highway Dept.
G. S. Maiers,	Draftsman,	90 00	State Highway Dept.
J. Ross Hall,	Transitman,	90 00	State Highway Dept.
W. S. Hornbaker,	Draftsman,	90 00	State Highway Dept.
Earl Taylor,	Transitman,	90 00	State Highway Dept.
L. C. Eberly,	Levelman,	83 33	State Highway Dept.
Elmer I. George,	Clerk,	83 33	State Highway Dept.
George Morton,	Chainman,	65 00	State Highway Dept.
R. J. Neidig,	Chainman,	65 00	State Highway Dept.
W. B. Gough,	Chainman,	65 00	State Highway Dept.
W. E. Sands,	Chainman,	65 00	State Highway Dept.
H. L. McNulty,	Chainman,	65 00	State Highway Dept.

S. W. JACKSON, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 10 WHICH CONSTITUTES THE COUNTIES OF BRADFORD, CAMERON, LYCOMING, POTTER, SULLIVAN AND TIOGA.

Name.	Position.	Monthly salary.	Location.
J. S. Ritchey,	Chief of Party,	$100 00	Wellsboro.
T. A. Jenkins,	Chief of Party,	100 00	Wellsboro.
G. A. Harrison,	Chief of Party,	100 00	Wellsboro.
J. A. White,	Inspector,	100 00	Wellsboro.
C. L. Lorah,	Chief Draftsman,	100 00	Wellsboro.
C. C. Foreman,	Draftsman,	100 00	Wellsboro.
Chas. Lose, Jr.,	Draftsman,	90 00	Wellsboro.
S. W. Hill,	Draftsman,	75 00	Wellsboro.
E. R. Hus,	Transitman,	90 00	Wellsboro.
W. T. Crowley,	Levelman,	83 33	Wellsboro.
A. E. Farrington,	Levelman,	83 33	Wellsboro.
C. H. Mendler,	Levelman,	83 33	Wellsboro.
W. R. Mason,	Chainman,	65 00	Wellsboro.
Robert Roy,	Chainman,	65 00	Wellsboro.
Roswell Canfield,	Chainman,	65 00	Wellsboro.
H. L. Dougherty,	Chainman,	65 00	Wellsboro.
J. V. Carson,	Chainman,	65 00	Wellsboro.
L. C. Burchfield,	Chainman,	65 00	Wellsboro.
Paul T. Green,	Chainman,	65 00	Wellsboro.
W. S. Woodhouse,	Clerk,	65 00	Wellsboro.
G. W. Whilton,	Rodman,	55 00	Wellsboro.
S. A. McClure,	Rodman,	55 00	Wellsboro.
W. E. Tuttle,	Rodman,	55 00	Wellsboro.
M. D. Ball,	Rodman,	55 00	Wellsboro.
W. F. Venrick,	Rodman,	55 00	Wellsboro.
T. M. Dort,	Rodman,	1 50 per day	Wellsboro.

C. S. LEMON, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 11 WHICH CONSTITUTES THE COUNTIES OF BEDFORD, BLAIR, CAMBRIA, HUNTINGDON AND SOMERSET.

Name.	Position.	Monthly salary.	Location.
H. E. Wilhelm,	Chief of Pary,	$125 00	Hollidaysburg.
H. R. Moffitt,	Chief of Party,	100 00	Hollidaysburg.
C. C. Hauth,	Chief of Party,	100 00	Hollidaysburg.
D. A. McCloskey,	Draftsman,	100 00	Hollidaysburg.
S. R. Sharpless,	Draftsman,	90 00	Hollidaysburg.
C. R. Hunter,	Draftsman,	90 00	Hollidaysburg.
R. C. Brennecke,	Inspector,	90 00	Hollidaysburg.
P. W. Mack,	Transitman,	90 00	Hollidaysburg.
E. S. Bowden,	Transitman,	90 00	Hollidaysburg.
Paul Brubaker,	Transitman,	90 00	Hollidaysburg.
R. L. Devereaux,	Levelman,	83 33	Hollidaysburg.
W. C. Bassler,	Clerk,	75 00	Hollidaysburg.
V. C. Baylor,	Chainman,	65 00	Hollidaysburg.
F. C. Step,	Chainman,	65 00	Hollidaysburg.
E. R. Onkst,	Chainman,	65 00	Hollidaysburg.
H. S. Richards,	Chainman,	65 00	Hollidaysburg.
C. A. Miller,	Chainman,	65 00	Hollidaysburg.
J. G. Hoffman,	Chainman,	65 00	Hollidaysburg.
C. B. Kagarise,	Rodman,	65 00	Hollidaysburg.
E. D. King,	Rodman,	55 00	Hollidaysburg.
H. H. Confer,	Rodman,	55 00	Hollidaysburg.
H. L. Lingafelt,	Rear Flag,	55 00	Hollidaysburg.
C. E. Belcher,	Rear Flag,	55 00	Hollidaysburg.
W. H. Dean,	Rear Flag,	55 00	Hollidaysburg.

JOHN I. RIEGEL, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 12 WHICH CONSTITUTES THE COUNTIES OF LACKAWANNA, MONROE, PIKE, SUSQUEHANNA, WAYNE AND WYOMING.

Name.	Position.	Monthly salary.	Location.
W. H. Bircher,	Supt. of Construction,	$125 00	Scranton.
P. A. Street,	Chief of Party,	100 00	Scranton.
Julius Freund,	Chief of Party,	100 00	Scranton.
H. L. Williams,	Chief of Party,	100 00	Scranton.
W. J. Devereaux,	Draftsman,	100 00	Scranton.
C. A. Krotzer,	Transitman,	90 00	Scranton.
G. M. MacFarlane,	Transitman,	90 00	Scranton.
W. G. Nicholls,	Transitman,	90 00	Scranton.
W. J. Richards,	Transitman,	90 00	Scranton.
C. D. Price,	Levelman,	83 33	Scranton.
L. F. Gross,	Levelman,	83 33	Scranton.
R. A. Smith, Jr.,	Levelman,	83 33	Scranton.
Ralph Williams,	Stenographer,	83 33	Scranton.
P. J. Hughes,	Clerk,	75 00	Scranton.
L. C. Parry,	Draftsman,	70 00	Scranton.
W. S. Bennett,	Chainman,	65 00	Scranton.
H. T. Shadduck,	Chainman,	65 00	Scranton.
W. L. Harris,	Chainman,	65 00	Scranton.
D. W. Lewis,	Chainman,	65 00	Scranton.
H. R. James,	Chainman,	65 00	Scranton.
Evan Thomas,	Chainman,	65 00	Scranton.
W. S. Watrous,	Chainman,	65 00	Scranton.
Eugene McNichols,	Chainman,	65 00	Scranton.
Vivian Struthers,	Chainman,	65 00	Scranton.
W. S. Gensel,	Chainman,	65 00	Scranton.
G. F. Rosar,	Rodman,	55 00	Scranton.
Fay Cavell,	Rodman,	55 00	Scranton.
Carl Wittman,	Rodman,	55 00	Scranton.
Joseph Gibbs,	Rodman,	55 00	Scranton.
Ruel Mitchell,	Rodman,	55 00	Scranton.

L. L. ROBBINS, CIVIL ENGINEER, IN CHARGE OF DISTRICT NO. 13 WHICH CONSTITUTES THE COUNTIES OF ALLEGHENY, BEAVER AND WESTMORELAND.

Name.	Position.	Monthly salary.	Location.
Chas. Fitzsimmons,	Chief of Party,	$125 00	Pittsburgh.
T. McD. Caulk,	Chief of Party,	125 00	Pittsburgh.
L. W. Francis,	Chief of Party,	125 00	Pittsburgh.
F. J. Lobert,	Chief of Party,	100 00	Pittsburgh.
J. F. White,	Inspector,	100 00	Pittsburgh.
S. H. Kistler,	Inspector,	90 00	Pittsburgh.
E. A. Foster,	Inspector,	90 00	Pittsburgh.
J. J. McCarthy,	Inspector,	90 00	Pittsburgh.
E. C. Brown,	Inspector,	85 00	Pittsburgh.
W. J. Hooper,	Inspector,	75 00	Pittsburgh.
W. H. Lynch,	Draftsman,	100 00	Pittsburgh.
L. W. Roessing,	Draftsman,	90 00	Pittsburgh.
John Herron,	Draftsman,	90 00	Pittsburgh.
W. W. Gill,	Transitman,	90 00	Pittsburgh.
L. H. Strock,	Transitman,	90 00	Pittsburgh.
Thos. Brand, Jr.,	Levelman,	83 33	Pittsburgh.
J. H. McGreevey,	Stenographer,	83 33	Pittsburgh.

L. L. ROBBINS, CIVIL ENGINEER—Continued.

Name.	Position.	Monthly salary.	Location.
J. D. Dickson,	Auto Division,	83 33	Pittsburgh.
Geo. C. Saulters,	Chainman,	65 00	Pittsburgh.
R. W. Bricker,	Chainman,	65 00	Pittsburgh.
A. C. Gies,	Chainman,	65 00	Pittsburgh.
F. E. Williams,	Chainman,	65 00	Pittsburgh.
Edw. B. McCrea,	Chainman,	65 00	Pittsburgh.
Alex. Chambers,	Chainman,	65 00	Pittsburgh.
J. G. Murray,	Chainman,	65 00	Pittsburgh.
G. Husler, Jr.,	Chainman,	65 00	Pittsburgh.
Michael Dunn,	Chainman,	65 00	Pittsburgh.
Henry C. Gross,	Chainman,	65 00	Pittsburgh.
W. L. Orr,	Chainman,	65 00	Pittsburgh.
H. Addison Lowry,	Rodman,	55 00	Pittsburgh.
Joseph Gallagher,	Rodman,	55 00	Pittsburgh.
B. C. McTighe,	Rodman,	55 00	Pittsburgh.
Wm. F. Graham,	Rodman,	55 00	Pittsburgh.
Edw. Bannon,	Rodman,	55 00	Pittsburgh.
H. L. Cleland,	Rodman,	55 00	Pittsburgh.
John C. Davis,	Rodman,	55 00	Pittsburgh.

O. K. TAYLOR, JR., ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 14 WHICH CONSTITUTES THE COUNTIES OF FAYETTE, GREENE AND WASHINGTON.

Name.	Position.	Monthly salary.	Location.
R. D. Forsythe,	Chief of Construction,	$125 00	Washington.
W. L. Dunn,	Chief of Party,	100 00	Washington.
C. S. Flenniken,	Draftsman,	100 00	Washington.
E. C. McCollough,	Draftsman,	100 00	Washington.
Edgar Powell,	Draftsman,	100 00	Washington.
W. Salorio,	Draftsman,	100 00	Washington.
R. L. Smith,	Transitman,	90 00	Washington.
John S. Yard,	Transitman,	90 00	Washington.
T. F. Springer,	Transitman,	90 00	Washington.
D. W. Taylor,	Transitman,	90 00	Washington.
E. K. Fogg,	Transitman,	90 00	Washington.
H. D. McLean,	Inspector,	90 00	Washington.
C. A. Huston,	Inspector,	85 00	Washington.
John M. Denney,	Levelman,	83 33	Washington.
John D. Locke,	Levelman,	83 33	Washington.
C. T. Davies,	Clerk,	75 00	Washington.
E. R. Dietrichkeit,	Clerk,	65 00	Washington.
J. M. Beeson,	Supt. National Road,	66 67	Uniontown.
F. C. Rush,	Supt. National Road,	66 67	Uniontown.
A. L. Gantz,	Supt. National Road,	66 67	Washington.
John N. O'Neil,	Supt. National Road,	66 67	Washington.
J. F. Anderson,	Chainman,	65 00	Washington.
W. E. Robinson,	Chainman,	65 00	Washington.
Jacob Zelt, Jr.,	Chainman,	65 00	Washington.
H. W. Grimes,	Chainman,	65 00	Washington.
S. C. Courson,	Chainman,	65 00	Washington.
G. R. McMasters,	Chainman,	65 00	Washington.
A. C. Jones,	Chainman,	65 00	Uniontown.

O. K. TAYLOR, ASSISTANT ENGINEER—Continued.

Name.	Position.	Monthly salary.	Location.
Jas. Campbell,	Chainman,	65 00	Uniontown.
Jas. T. Crago,	Chainman,	65 00	Washington.
A. J. Stentz,	Chainman,	65 00	Uniontown.
J. W. Cleavenger,	Chainman,	65 00	Washington.
M. Thistlewaite,	Axeman,	55 00	Washington.
John Coidren,	Axeman,	55 00	Washington.
C. E. Clutter,	Axeman,	55 00	Washington.
S. R. Blythe,	Axeman,	55 00	Washington.
L. R. Quinn,	Axeman,	55 00	Washington.
H M. Williams,	Axeman,	55 00	Uniontown.
Arthur Munk,	Axeman,	55 00	Uniontown.
Glen B. Morrison,	Axeman,	55 00	Washington.
Leo J. Lowney,	Rodman,	55 00	Uniontown.

W. A. WYNN, ASSISTANT ENGINEER IN CHARGE OF DISTRICT NO. 15 WHICH CONSTITUTES THE COUNTIES OF CRAWFORD, ERIE, ELK, FOREST, McKEAN AND WARREN.

Name.	Position.	Monthly salary.	Location.
H. S. Wood,	Chief of Party,	$100 00	Warren.
F. C. Fowler,	Inspector,	100 00	Warren.
F. E. Winter,	Draftsman,	100 00	Warren,
E. R. Brann,	Transitman,	90 00	Warren.
L. E. Van Vleck,	Clerk,	80 00	Warren.

A. W. BURK, ASSISTANT ENGINEER, IN CHARGE OF PITTSBURGH AND PHILADELPHIA PIKE.

Name.	Position.	Monthly salary.	Location.
P. B. Kearns,	Inspector,	$100 00	Pittsburgh.
Wells Carliher,	Inspector,	100 00	Swissvale.
I. E. Bing,	Inspector,	100 00	Pittsburgh.
Edward B. Burk,	Rodman,	65 00	Pittsburgh.

STATE HIGHWAY FUND APPROPRIATION.

June 1, 1911—Total Appropriation,		$3,000,000 00
January 1, 1913—Total Receipts Automobile Division, collected for use of Highway Department,		$1,845,780 31
Total Available Funds,		$4,845,780 31

CHARGES.

June 1, 1911, to January 1, 1913.

Payments on Contracts,	$1,117,076 44	
Advertisiug Expense,	6,253 45	
Route Surveys, Surveying and Plotting,	571,969 04	
Maintenance of Routes:		
Cost of Labor,	$709,109 81	
Cost of Material,	201,273 14	
Miscellaneous Charges,	725 91	
	$911,108 86	
Maintenance of State-aid Roads:		
Armstrong Co., Rayburn Twp.,	$240 14	
Armstrong Co., Gilpin Twp.,	59 55	
Armstrong Co., E. Franklin Twp.,	237 34	
Allegheny Co., Elizabeth Twp.,	234 06	
Elk Co., Benzinger Twp.,	360 98	
Elk Co., Fox Twp.,	393 25	
Allegheuy Co., Penn Twp.,	277 23	
Tioga Co., Delmar Twp.,	215 49	
Potter Co., Portage Twp.,	1,168 12	
Westmoreland Co., N. Huntingdon Twp.,	347 72	
Allegheny Co., N. Fayette Twp.,	159 05	
Lancaster Co., Eden Twp.,	119 20	
Westmoreland Co., Hempfield Twp.,	38 26	
Blair Co., Greenfield Twp.,	1,321 60	
Beaver Co., Big Beaver Twp.,	88 40	
Beaver Co., Hopewell Twp.,	376 57	
	5,057 56*	
County Maps, Surveying and Plotting,	152,406 80	
Machinery and Tools,	31,546 52	
General Expense—Department and District,	18,955 23	
Preparing Standards, Bridge Division,	304 84	
Miscellaneous Charges, Insurance, etc.,	2,147 19	
Expense Erecting Signs, Sign Posts, etc.,	2,421 99	
Cash and Un-vouched Pay Rolls,	124,134 30	
Total Charges, June 1, 1911, to Jan. 1, 1913,		$2,943,982 22
Balance State Highway Fund, Jan. 1, 1913,		$1,901,798 09
Balance composed of amount in Treasury,	$56,017 78	
And unappropriated receipts from automobile licenses,	1,845,780 31	
Balance Shown Above,	$1,901,798 09	

STATE-AID APPROPRIATION.

ACT 1911.

June 1, 1911—Total Appropriation,	$1,000,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Construction Expenses:

Payments on Contracts,	$120,897 58	
Engineering and Inspection,	24,158 78	
Advertising,	6,506 21	
Total charges June 1, 1911, to Jan. 1, 1913,		$151,562 57
Balance in Treasury January 1, 1913,		$848,437 43

*NOTE: Subject to 50 per cent. refund.

STATE-AID FUND APPROPRIATION BALANCE.

ACTS 1907, 1909.

June 1, 1911—Balance of Appropriation, ...	$660,642 28	
June 1, 1911, to January 1, 1913—Amount returned by Counties and Townships, ...	345,430 78	
Total Available Funds, ...		$1,006,081 06

CHARGES.

June 1, 1911, to January 1, 1913.

Construction Expenses:		
Payments on Contracts, ...	$861,757 21	
Engineering and Inspection, ...	43,804 55	
Re-advertising, ...	103 48	
Damages, ...	567 78	
Total charges June 1, 1911, to January 1, 1913, ...		$ 906,233 02
Balance in Treasury January 1, 1913, ...		$ 99,848 04

NATIONAL OR CUMBERLAND ROAD APPROPRIATION.

June 1, 1911—Total Appropriation, ...	$ 300,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Construction Expense:			
Payments on Contracts, ...	$146,510 90		
Engineering Expense, ...	13,389 41		
Advertising Expense, ...	334 18		
		$160,234 49	
Maintenance Expense:			
Salaries, Superintendents and Labor Charges, ...	$ 11,500 02		
Expenses, ...	1,957 96		
Tools, ...	55 75		
		$13,513 73	
Total charges June 1, 1911, to January 1, 1913, ...			$ 173,748 22
Balance in Treasury January 1, 1913, ...			$ 126,251 78

EXPERIMENTS AND TESTS FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ...	$ 50,000 00
Total charges June 1, 1911, to January 1, 1913, ...	$ 24,276 95
*Balance Experiments and Tests Funds, January 1, 1913, ..	$ 25,723 05

TRAVELING EXPENSE FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ...	$ 88,000 00
Total charges June 1, 1911, to January 1, 1913, ...	$ 83,797 62
Balance Traveling Expense Fund January 1, 1913, ...	$ 4,202 38

CONTINGENT FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ...	$ 79,000 00
Total charges June 1, 1911, to January 1, 1913, ...	$ 28,759 31
Balance Contingent Fund January 1, 1913, ...	$ 50,240 69

*NOTE. Balance shown above subject to accrued charges on estimates not yet filed, and cost of contemplated experimental work. When deducted balance will be practically exhausted.

AUTOMOBILE FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ...	$ 100,000 00
Total charges June 1, 1911, to January 1, 1913, ...	$ 89,053 33
*Balance Auto Contingent Fund January 1, 1913, ...	$ 10,946 67

*NOTE: This balance subject to charges for 1913 License Tags and current salaries to June 1, 1913, which will cause a deficiency of at least $35,000.00.

NOTE: A statement of receipts, automobile division, for years 1911 and 1912 is as follows:

Year.	Amount.
1911—Total Receipts, ...	$429,523 50
1912—Total Receipts, ...	597,723 19
Total Receipts years 1911 and 1912, ...	$1,027,246 69

SCHEDULES.

SCHEDULE A-1.

State Highway Fund.

Construction and Maintenance Contracts.

June 1, 1911, to January 1, 1913.

County.	Township.	Route No.	Contractor.	Date of contract.	Amount.	Amount paid January 1, 1913.	Advertising Expense.	Length contracted for.	Surface complete.	Grading complete.	Foundation complete.	Drainage complete.
								Feet.	%	%	%	%
Adams,*		126	John Dobbling,	Aug. 5, 1912,	$21,595 79	$17,666 38		14,256	100		100	
Allegheny,†	Frankstown Road,		Allegheny Co. Comrs.,	July 2, 1912,	41,513 03	27,083 01		22,600	100		100	
Allegheny,†		72-246	Allegheny Co. Comrs.,	July 2, 1912,	3,028 67	1,087 53		15,250	100		100	
Allegheny,†	Westview Boro.,	246	M. O'Herron Company,	May 28, 1912,	36,691 27	28,800 93	$171 80	6,494	75	82	82	
Allegheny,†	Marshall,	246	Foley Contracting Co.,	Aug. 1, 1912,	38,146 92	12,100 00	166 60	9,624	47	60	47	50
Bedford,	E. St. Clair,	47	Saupp & Herr Contracting Company.	June 11, 1912,	12,832 32	10,230 93	180 38	4,217	100	100	100	100
Bedford,*		119	H. G. Hinkle, Inc.,	Aug. 17, 1912,	130,071 53	129,960 58		84,480	100		100	
Bedford,*		39	J. M. Hutchison,	Sept. 12, 1912,	28,318 18	23,572 82		29,885	100		100	
Blair,	Logan,	221	H. G. Hinkle, Inc.,	Aug. 17, 1912,	109,676 40	5,341 95	189 39	26,624		33		95
Bucks,		155	Union Paving Company,	July 17, 1912,	169,787 26	22,395 23	232 85	45,400	1	60	14	20
Cambria,†		52-222	Suppes Cont. Co.,	Aug. 5, 1912,	29,156 47	28,921 00		24,024	100		100	
Carbon,*		170	Carbon County Comrs.,	Aug. 6, 1912,	5,658 45	5,198 30		5,280	100		100	
Chester,		143	McNichol Pav. and Construction Co.	Aug. 30, 1912,	37,021 07	27,388 05		43,308	14	70	14	80
Clearfield,*	Decatur,	57	Baker-Town Const. Co.,	July 24, 1912,	40,791 08	21,419 19	220 12	10,756	56	88	58	100
Cumberland,		30	Stucker Brothers,	Aug. 5, 1912,	9,680 88	5,861 76		5,965	100		100	
Dauphin,	Susquehanna,	1	Chas. T. Eastburn Co.,	June 4, 1912,	69,434 48	58,570 20	223 45	20,085	100	86	100	100
Delaware,	Upper Providence and Middletown.	131	Ralph G. March,	July 24, 1912,	67,032 00	21,781 17	203 26	18,843	40	86	70	100
Erie,*	Conneaut,	86	E. M. Love & Son,	Aug. 29, 1912,	29,977 05	17,673 28	188 11	8,077	69	75	68	100
Franklin,		44	Nelson-Merydith,	Aug. 30, 1912,	4,772 98	2,051 29		1,500	100		100	
Jefferson,	Young,	63	South Shore Const. Co.,	July 16, 1912,	53,116 39	9,271 01	206 46	13,735		100		100
Juniata,*	Permanagh,	32	J. E. Francis,	Oct. 3, 1911,	120,957 48	62,833 42	231 93	34,795	28	97	28	100
Lackawanna,		9	Gaynor Contracting Co.,	Aug. 5, 1912,	16,967 06	15,703 87		13,110	100		100	
Lancaster,	Salisbury,	142	Geo. O. Souder,	July 10, 1912,	31,354 08	10,379 10	218 60	10,334	40	85	42	100
Lehigh,*	North Whitehall,	163	Neff and Horn,	July 30, 1912,	54,993 74	12,882 42	199 03	16,300	65	68	65	100
Lehigh,*		153	Geo. H. Hardner,	Aug. 5, 1912,	5,557 08	2,190 76		5,910	100		100	
Lycoming,		29	Busch and Stewart,	Aug. 30, 1912,	2,836 29	1,509 91		2,460	100		100	
Lycoming,	Muncy Creek and Clinton.	240	Busch and Stewart,	Sept. 11, 1912,	17,523 59	2,376 00	194 40	5,013		68		70
Mercer,	Hickory,	238	Wm. McIntyre & Son,	May 28, 1912,	28,970 80	6,967 85	184 15	3,085	41	74	42	40
Mercer,	East Lackawannock and Jefferson.	74	South Shore Const. Co.,	July 16, 1912,	50,139 50	9,512 56	204 65	14,807		90		90
Mifflin,	Derry,	32	United Ice and Coal Co.,	Oct. 3, 1911,	99,048 51	75,965 53	231 94	22,560	77	95	77	100
Montgomery,	Moreland,	198	Field, Barker & Underwood.	Dec. 6, 1912,			529 80	14,317				
Northumberland,	Coal and Mt. Carmel,	161	Monroe Paving Co.,	July 15, 1912,	142,573 14	9,393 39	204 15	40,143		44	3	13
Somerset,*		119	H. G. Hinkle, Inc.,	Aug. 17, 1912,	32,496 67	32,496 67		21,120	100		100	
Somerset,*		119	J. H. McQuade & Co.,	Aug. 7, 1911,	131,333 01	124,488 04		67,584	100		100	
Susquehanna,	Lathrop,	9	T. S. Newman,	Sept. 14, 1912,	34,695 50	4,757 40	203 51	8,096		70		100
Susquehanna,	Oakland,	10	McNerney Const. Co.,	Nov. 20, 1912,	83,738 15		235 60	20,053		9		
Union,*	Buffalo,	26	Chas. T. Eastburn Co.,	June 4, 1912,	61,441 46	43,150 33	178 58	18,100	100	100	100	100
Warren,*		94-96	L. A. Coates & Co.,	Aug. 5, 1912,	4,227 53	4,227 53		3,400	100		100	
Washington,		113	Columbia Contr. Co.,	June, 29, 1912,	23,491 84	18,964 80		12,079	100		100	
Washington,	Charleroi Boro.,	118	Hastings and Piper,	July 30, 1912,	17,997 48	3,151 61	274 65	3,760	51	58	51	100
Washington,*	Claysville Boro.,	114	P. F. Rhoades & Son,	Oct. 28, 1912,	8,187 80		249 03	2,166				
Westmoreland,*		119	J. H. McQuade & Co.,	Aug. 7, 1911,	74,923 43	68,078 47		36,960	100		100	
Westmoreland,*		119	J. H. Hutchison,	Aug. 5, 1912,	85,771 58	61,725 96		59,136	100		100	
Westmoreland,		120	Duquesne Contr. Co.,	April 19, 1912,	77,959 99	65,491 61		55,968	100		100	
Luzerne,		5	Advertised only,				229 52					
Lackawanna,							85 94					
Allegheny,	Hampton & Shaler,	72	Advertised only,				213 75					
Elk,		99	Advertised only,				175 68					
York,	York,	216	Advertised only,									
Sign Pots and Signs.			Calvin Gilbert,	Aug. 26, 1912,	9,350 00	4,431 65	170 27					
Machinery and Tools.							58 85					
Total,					$2,296,007 41	$1,117,075 44	$6,263 45	873,569				

SCHEDULE A-2.

State Highway Fund.

Cost Report—Surveying and Plotting Sproul Routes and General Engineering Expenses for Construction Work.

June 1, 1911, to January 1, 1913.

Route No.	Total number miles surveyed.	Miles in alternate lines.	No. miles surveyed main route.	Cost per mile alternate lines.	Cost per mile main route.	Total cost main route.	Total cost alternate line.	District Engineers' Offices. No. miles plotted.	District Engineers' Offices. Cost per mile plotting.	District Engineers' Offices. Total cost plotting.	Harrisburg Office. No. miles checked and traced.	Harrisburg Office. Cost per mile checking and tracing.	Harrisburg Office. Total cost checking and tracing.	Cost engineering and inspection incidental to construction.	Total cost of route.
1,	54.932		54.932		$86 45	$4,748 86		19.32	714 87	$294 66	2.26	$8 59	$19 35	$6,124 04	$7,186 91
2,	11.4		11.4		60 32	688 04		11.4	10 26	117 06	11.4	6 37	72 58		878 58
3,	9.32		9.32		49 60	462 23									462 23
4,	38.44		38.44		63 32	2,434 02		30.44	11 35	436 34				202 89	3,173 25
5,	14.9		14.9		57 76	860 66		14.9	11 47	170 86	11.9	8 65	138 93	113 17	1,273 62
6,	31.5		31.5		49 62	1,374 25		31.5	6 79	213 87				3 45	1,591 57
7,	45.2	3.1	42.1	$58 08	65 37	2,751 90	$181 92								2,933 82
7,	7.1	.3	6.8		45 82	317 59									311 59
9,	39.7	3.7	36.	37 00	43 77	1,576 32	136 90	39.7	8 99	356 95	8.75	9 59	83 96	1,612 55	3,760 70
10,	37.9	11.2	26.6	57 00	62 59	1,664 93	638 40	29.2	16 36	477 86	22.4	9 38	209 95	97 68	3,088 82
11,	28.42		28.42		61 19	1,739 02								559 38	2,298 40
12,	29.9	7.6	22.3	66 00	67 00	1,507 57	501 60								2,009 17
13,	47.6	8.6	39.	58 40	63 19	2,464 09	502 25	41.	7 72	316 25					3,285 19
14,	35.94		35.94		44 19	1,588 35		35.94	8 36	298 50					1,886 85
15,	21.69		21.69		40 66	882 06		21.69	6 07	131 69	21.69	8 51	184 63	21 88	1,220 26
16,	41.19		41.19		56 42	2,324 28		40.362	6 89	281 96					2,606 24
17,	34.72		34.72		35 78	1,242 40		28.1	9 25	259 98					1,502 38
18,	46.25	2.	44.25	63 43	68 43	2,006 70	126 86	46.25	10 57	489 15	37.58	7 98	300 00	44 87	3,767 66
19,	26.77		26.77		39 29	1,051 90		14.	7 84	100 70					1,167 50
20,	71.7		71.7		36 24	1,757 32		9.6	7 51	72 09				218 57	2,047 98

21,	44.76		44.76		45 99	2,057 20		44.76	8 93	399 62				83 76	2,540 58
22,	24.77		24.77		46.15	1,143 03		24.77	10 85	268 74	24.77	8 61	213 38		1,625 10
23,	21.05		21.05		43 43	913 82		21.05	8 07	169 94	21.05	7 92	166 67	82 88	1,333 31
24,	11.		11.		54 40	598 40		11.	9 29	102 24				125 79	826 43
25,	16.919		16.919		41.15	696 16									696 16
26,	17.06		17.06		39 51	674 04								1,825 99	2,498 03
27,	57.65		57.65		49 30	2,942 14		57.65	9 06	522 07				640 72	4,004 93
28,	33.509		33.509		42 92	1,438 34									1,438 34
29,	21.36		21.36		45 44	970 65		5.	18 31	91 57					1,062 22
30,	26.716		26.716		49 25	1,522 98		26.716	10 79	288 41	10.80	7 11	77 42	682 62	2,371 43
31,	26.21		26.21		35 28	923 49		26.21	7 49	196 33	26.08	4 44	115 92		1,235 74
32,	12.077		12.077											14,432 09	14,432 09
33,	34.509		34.509		41 69	1,438 70									1,438 70
34,	17.315		17.315		53 50	926 56		17.315	8 45	146 09	17.4	7 70	133 96	141 06	1,347 61
35,	33.51		33.51		66 23	2,219 16		33.51	7 65	256 44				144 11	2,619 71
36,	14.798		14.793		46 64	690 21		14.798	27 09	400 87	14.8	6 32	93 55	81 52	1,266 15
37,	21.427		21.427		42 05	900 87		21.427	13 70	293 56	21.42	7 27	155 70	78 53	1,428 66
38,	25.877		25.877		102 38	2,649 97		24.877	7 99	198 65					2,745 62
39,	34.192		34.192		45 87	1,568 27		34.192	13 25	453 02	33.95	6 46	219 45	861 19	2,901 93
40,	16.392		16.392		72 60	1,190 05		16.392	12 57	206 15					1,396 20
41,	28.304		28.304		61 48	1,740 23		28.304	15 25	431 61					2,171 84
42,	12.17		12.17		76 35	929 19		12.17	10 06	122 42					1,051 61
43,	24.66		24.66		51 54	1,271 18		24.66	9 68	238 71	24.66	8 41	207 50		1,717 39
44,	24.31		24.31		74 49	1,311 02		24.31	15 42	374 99				611 99	2,298 00
45,	58.028		58.028		70 19	4,114 91		3.242	17 17	55 65	3.24	4 98	16 13	40 34	4,227 03
46,	46.66		46.66		38 89	1,814 76									1,814 76
47,	41.66	4.	37.26	29 80	29 74	1,108 12	119 26	41.26	11 65	480 71				339 32	3,047 55
48,	25.93	.55	25.38	43 04	42 62	1,081 95	23 67	25.93	7 76	201 23					1,306 91
49,	39.86		39.86		30 58	1,218 96									1,218 96
50,	47.36		47.36		68 38	2,992 81		14.3	16 38	234 39				47 34	3,274 51
51,	22.35	1.3	21.05	34 12	33 05	695 70	44 36	22.35	8 47	189 34				511 22	1,440 62
52,	59.96	3.3	56.66	34 12	40 93	2,318 84	112 60	19.14	14 10	269 92				132 60	2,834 05
53,	27.56	1.05	26.51	33 80	33 63	891 53	35 48	27.56	12 66	348 88	9.92	10 79	107 10	499 87	1,882 86
54,	52.776	12.7	40.076	21 65	50 50	2,023 97	275 08								2,299 05
55,	54.82	11.7	43.12	60 16	38 45	1,657 91	703 90	54.82	8 49	465 49	21.31	6 15	131 07		2,958 37
56,	44.71	4.85	39.86	29 37	29 42	1,172 68	142 43							682 47	1,997 78
57,	43.764	2.1	41.664	44 48	44 48	1,853 28	93 41	41.664	7 58	315 65				849 51	3,111 85
58,	26.608		26.608		41 55	1,104 38		26.078	11 06	294 19				134 25	1,532 82
59,	65.298	6.2	59.098	48 47	47 29	2,794 54	300 51	4.08	46 78	201 17	6.48	5 89	38 14	529 78	3,864 14
60,	18.43		18.43		37 27	686 89		5.49	14 10	77 43					764 32
61,	17.50		17.5		42 25	739 45		12.25	7 12	87 23					826 68
62,	56.07		56.07		50 96	2,857 46								377 47	3,234 93
63,	62.45	10.57	51.88	41 40	43 21	2,241 86	437 60	27.19	12 16	330 68	2.60	12 82	33 33	1,289 38	4,332 85
64,	17.23		17.23		65 94	1,136 07		17.23	11 39	196 33				159 05	1,832 40
65,	27.83		27.83		40 40	1,124 37		27.83	17 01	473 52					1,756 94
66,	46.12	6.85	39.27	42 50	42 47	1,667 62	291 13	31.42	11 24	353 39					2,312 14
67,	27.51		27.51		40 03	1,101 19		2.06	12 44	34 83					1,136 02

SCHEDULE A-2.

Route No.	Total number miles surveyed.	Miles in alternate lines.	No. miles surveyed main route.	Cost per mile alternate lines.	Cost per mile main route.	Total cost main route.	Total cost alternate line.	District Engineers' Offices. No. miles plotted.	District Engineers' Offices. Cost per mile plotting.	District Engineers' Offices. Total cost plotting.	Harrisburg Office. No. miles checked and traced.	Harrisburg Office. Cost per mile checking and tracing.	Harrisburg Office. Total cost checking and tracing.	Cost engineering and inspection incidental to construction.	Total cost of route.
68,	35.36		35.36		50 61	1,791 73								244 73	2,036 46
69,	55.41		55.41		48 96	2,712 67		52.48	15 42	809 47				20 01	3,542 15
70,*	18.84		18.84												
71,	21.49		21.49		53 99	1,160 29		4.27	12 50	53 62					1,213 91
72,	31.72		31.72		75 14	2,383 39		31.72	5 60	177 57	7.83	7 90	61 80	657 73	3,280 55
73,	37.67		37.67		50 03	1,884 07		13.18	10 47	137 95					2,022 02
74,	17.01	2.59	15.02	45 00	31 59	474 55	118 10	15.02	21 77	327 07	4.70	10 64	50 00	1,094 75	2,064 47
75,	42.56		42.56		45 00	1,915 36		16.09	12 21	207 52				394 36	2,517 24
76,	21.94		21.94		48 35	1,058 86		21.94	4 09	89 64				455 17	1,603 67
77,	22.53		22.53		44 55	1,003 67		5.80	2 84	16 05				127 94	1,148 26
78,	29.47		29.47		24 47	721 09								505 26	1,226 35
79,	27.43		27.43		48 64	1,334 15		27.43	9 37	257 00					1,591 15
80,	16.14		16.14		29 93	483 42		16.14	11 28	181 98	16.20	9 06	146 76	96 83	909 99
81,	11.64		11.64		31 72	369 23		4.07	11 80	48 01				*297 94	715 18
82,	39.66		39.66		42 78	1,696 79		39.66	13 43	532 73	33.36	7 73	258 07		2,487 59
83,	12.90		12.9		20 97	270 53		12.9	6 15	79 23					349 76
84,	40.34		40.34		40 78	1,645 07		40.34	13 21	533 15				108 96	2,287 18
85,	37.37		37.37		36 83	1,295 05		8.00	28 79	230 34				877 89	2,403 28
89,	24.5		24.5		32 29	791 19		24.5	4 90	120 11					911 30
87,	17.2		17.2		55 15	948 61		17.2	6 72	115 69	17.19	5 81	100 00		1,164 30
88,	68.29		68.29		36 09	2,463 38		68.29	5 77	394 07					2,857 45
89,	49.88		49.88		45 16	2,252 42		43.18	6 15	270 68					2,523 10
90,	16.37		16.37		40 00	654 09		16.37	6 51	106 65					761 34
91,	37.	6.93	30.07	19 15	25 49	766 52	132 74	7.52	9 11	68 52					967 78
92,	23.1		23.1		47 28	1,092 14		8.08	7 06	57 02					1,149 16
93,	29.09		29.09		39 07	1,102 89		29.09	8 07	234 63					1,337 45
94,	11.8		11.8		43 12	508 87		11.80	5 44	64 25	11 08	14 83	175 06	320 08	1,068 26
96,	55.26		55.26		43 56	2 404 12		55.26	8 87	490 05	57.13	10 52	600 95		3,495 12

32

96,	18.75		18.75		37 17	697 03		18.75	4 71	88 38					785 58
97,	45.61		45.61		46 27	2,110 32		24.04	17 07	410 35				119 09	2,639 76
98,	60.26		60.26		32 93	1,984 61		60.26	3 90	234 95	6.40	9 07	58 06	104 56	2,382 20
99,	32.59		32.59		42 65	1,389 85		21.46	17 03	365 59				210 81	1,966 25
100,	37.30		37.30		36 49	1,361 94		15.00	17 00	254 91				222 42	1,842 27
101,	27.3		27.3		31 09	855 12		8.	19 67	157 40				316 91	1,333 43
102,	45.55		45.55		43 32	1,982 39		45.55	8 70	396 26				31 11	2,409 96
103,	58.64		58.64		41 25	2,418 76		58.64	7 29	422 26					2,841 02
104,	20.66		20.66		40 68	841 51		20.66	7 36	152 04					993 55
105,	81.563	8.5	73.063	72 98	72 98	5,458 47	620 35								6,078 82
106,	63.77		63.77		32 70	2,085 65		8.3	9 21	76 46					2,162 06
107,	37,315		37.315		41 61	1,386 24		33.315	7 35	244 70				182 77	1,813 71
108,*	11.97		11.97		42 97	209 50		6.97	3 25	22 31	6.96	7 18	50 00	486 97	859 78
109,	27.83		27.83		43 82	1,219 41		27.83	20 03	557 48					1,776 89
110,	17.52		17.52		50 42	883 34									883 34
111,	25.17		25.17		40 65	1,023 06		6.67	7 03	108 00					1,191 06
112,	34.58	5.78	28.8	66 16	66 79	1,923 46	386 06	17.9	15 32	274 18					2,591 60
113,	36.25		36.25											186 75	186 75
114,	20.78		20.78		46 46	485 22		10.45	16 18	169 04				60 10	714 36
115,	49.94		49.94		35 49	1,772 53				44 95					1,817 48
116,	18.4		18.4		53 78	989 60		18.4	16 49	303 40				243 21	1,536 20
117,	44.46	7.04	37.42	62 92	62 15	2,325 81	442 95	45.28	24 21	1,096 50	5.79	5 76	33 33	70 92	3,969 51
118,	48.62	1.81	46.81	75 94	74 93	3,507 63	137 45	40.81	9 61	449 97				1,605 39	5,700 44
119,*	60.34		60.34		39 59	1,622 83		14.	8 10	113 40				4,509 55	6,226 75
120,	22.42		22.42		55 94	784 31								1,101 27	1,885 58
121,	25.933		25.933		41 05	1,064 51								16 95	1,081 46
122,	31.55		31.55		31 35	989 21		18.305	6 88	126 17					1,115 38
123,	34.776		34.776		80 74	2,807 77		34.776	33 89	1,178 56	24.79	10 48	264 52	183 07	4,434 92
124,	21.45		21.45		50 72	1,087 97		21.45	16 31	350 00				158 76	1,596 73
125,	11.011		11.011		76 83	846 01		11.011	7 01	77 22					923 23
126,	27.65		27.65		64 55	1,784 70		27.65	10 85	300 00	27.64	7 77	215 05	1,544 12	3,843 87
127,	17.11		17.11		23 81	407 37		17.11	11 51	197 00					604 47
128,	21.32		21.32		51 32	1,094 26		21.32	9 01	192 22				436 74	1,723 22
129,	33.092		33.092		41 12	1,360 83		33.092	26 56	878 87	33.09	10 92	361 29	127 84	2,728 83
130,	8.29		8.29		56 16	465 60		8.29	13 13	108 90	8.29	12 06	100 00		674 50
131,	40.82		40.82		57 06	2,329 23		37.02	16 84	633 42				2,030 01	5,001 66
132,	11.29		11.29		78 26	883 61		11.29	14 75	166 60					1,050 21
133,	19.78		19.78		49 02	969 59		16.75	18 14	303 85					1,273 44
134,	11.48		11.48		59 87	687 38		8.44	27 47	231 93					919 31
135,	11.19		11.19		44 09	493 43		11.19	7 02	78 45					571 88
136,	28.758		28.758		63 80	1,835 18		28.758	24 45	703 27					2,538 45
137,	55.903		55.903		51 27	2,866 00				250 00					3,116 00
138,	20.457		20.457		51 66	1,056 74				162 19					1,218 93
139,	23.92		23.92		58 67	1,403 07		23.92	36 29	868 18					2,272 05
140,	65.03		65.03		37 59	2,444 63								52 50	2,497 13
141,	53.529		53.529		42 95	2,298 85					6.08	9 55	58 06	499 41	2,856 32
142,	62.349		62.349		36 96	2,304 57		44.469	16 94	753 44	29.13	9 56	278 62	1,773 22	5,109 85
143,	17.47		17.47		67 74	1,183 50		17.47	10 52	183 90	8.84	3 88	34 34	1,836 87	3,238 61
144,	16.49		16.49		103 92	1,713 78								238 75	1,952 53

3

33

SCHEDULE A-2.—Continued.

Route No.	Total number miles surveyed.	Miles in alternate lines.	No. miles surveyed main route.	Cost per mile alternate lines.	Cost per mile main route.	Total cost main route.	Total cost alternate line.	District Engineers' Offices.			Harrisburg Office.			Cost engineering and inspection incidental to construction.	Total cost of route.
								No. miles plotted.	Cost per mile plotting.	Total cost plotting.	No. miles checked and traced.	Cost per mile checking and tracing.	Total cost checking and tracing.		
145,	8.08		8.08		55 16	445 73									445 73
146,	36.34		36.34		68 95	2,504 76									2,504 76
147,	40.51		40.51		66 30	2,685 08									2,685 08
148,	30.629		30.629		54 63	1,673 53		30.629	16 97	519 84					2,193 37
149,	27.248		27.248		35 70	972 64									972 64
150,	17.77		17.77		61 87	1,099 15		11.86	5 15	61 11					1,160 26
151,	18.17		18.17		55 09	1,000 47		18.17	18 34	333 23				302 74	1,636 44
152,	25.24		25.24		43 68	1,101 33									1,101 33
153,	36.04		36.04		53 17	1,065 58								876 77	1,942 35
154,	4.32		4.32		25 80	111 85									111 85
155,	19.95		19.95		39 03	790 77		17.48	14 56	255 00				2,013 25	3,059 02
156,	31.03		31.03		50 60	1,570 21		31.03	9 15	283 90				324 02	2,178 13
157,	31.		31.		71 46	2,215 24		31.	16 27	504 42				178 66	2,898 32
158,	33.75		33.75		42 51	1,434 78									1,434 78
159,	14.1		14.1		76 00	1,071 68		14.1	16 45	232 06					1,303 74
160,	14.33		14.33		85 45	1,224 58		14.33	6 57	94 27	7.96	7 69	61 30	66 40	1,446 55
161,	48.49	1.6	46.89	49 60	49 60	2,325 74	79 36	41.44	9 80	406 41				804 01	3,705 52
162,	31.98		31.98		80 77	2,583 12		31.98	8 44	269 93					2,853 05
163,	29.58		29.58		85 93	2,541 92		29.58	6 73	199 14				2,361 32	5,096 38
164,	32.03		32.03		37 55	1,202 75									1,202 75
165,	36.51	4.4	32.11	61 95	68 49	2,199 39	228 59	32.11	8 50	273 16				598 01	3,299 15
166,	29.6		29.6		50 70	1,500 77		23.82	9 43	224 83					1,725 60
167,	35.	.8	34.2	46 25	47 96	1,640 30	37 00	35.	7 67	268 58					1,945 88
168,	52.1	7.6	44.5	58 18	68 20	2,816 39	442 21	47.3	7 26	343 69					3,602 29
169,	67.93	5.8	62.13	45 74	58 59	3,054 30	265 27	2.	26 87	53 74				380 68	3,753 99
170,	41.77		41.77		27 75	1,159 08									1,159 08
171,	53.7	1.1	52.6	50 46	51 47	2,707 12	55 50	38.90	7 36	286 46				94 32	3,143 40
172,	9.9		9.9		49 76	492 57									492 57

173,	33.8		33.8		58 52	1,977 92									1,977 92
174,	32.5	1.6	30.9	46 81	49 14	1,518 42	74 90	1.	8 09	8 09					1,601 41
175,	29.04		29.04		78 33	2,129 60								328 22	2,457 82
176,	36.01		36.01		29 60	1,066 00		36.01	7 83	281 76					1,347 76
177,	46.14		46.14		56 86	2,623 50									2,623 50
178,	19.75		19.75		51 42	1,015 55									1,015 55
179,	9.59		9.59		69 17	663 35								449 99	1,113 34
180,	17.7		17.7		55 36	979 91		17.7	11 42	202 14	17.71	8 56	151 62	154 71	1,488 38
181,	42.		42.		40 20	1,679 30		42.	8 22	345 30				29 57	2,048 17
182,	11.58		11.58		64 48	760 90									760 90
183,	30.39		30.39		67 12	2,069 94									2,069 94
184,	31.28	13.6	17.68	65 78	65 78	1,163 20	894 66								2,057 86
185,	11.56		11.56		35 17	406 59									406 59
186,	28.79		28.79		24 89	717 04									717 04
187,	27.72		27.72		31 14	573 70								210 49	784 19
188,	38.605		38.605		41 17	1,589 25		21.576	12 15	262 25				113 65	1,965 15
189,	61.89	10.95	50.94	40 60	41 48	2,112 90	444 57	50.94	16 84	857 63					3,415 10
190,	27.		27.		52 85	1,426 87		27.	11 15	301 00					1,727 87
191,	45.55		45.55		35 18	1,601 89								547 71	2,149 60
192,	68.059		68.059		40 29	2,741 86								264 75	3,006 59
193,	59.005		59.005		38 34	2,262 41								114 02	2,376 43
194,	34.978		34.978		66 56	2,328 35		21.	14 00	294 08					2,622 43
195,	37.704		37.704		40 55	1,529 90		22.42	12 38	277 48					1,807 78
196,	12.37		12.37		48 57	600 90		12.37	7 65	94 46					695 36
197,	53.69		53.69		36 41	1,955 00									1,955 00
198,	29.76		29.76		44 93	977 78		2.8	48 95	137 08				123 69	1,238 55
199,	44.81		44.81		55 00	1,568 44								913 19	2,481 63
200,	44.82		44.82		26 60	1,182 61		44.42	9 64	428 39				397 55	1,978 55
201,	32.42		32.42		59 50	1,929 25		11.77	8 49	100 00				89 21	2,118 46
202,	19.61		19.61		46 02	902 41									902 41
203,	17.03		17.03		49 49	842 74		15.88	12 91	205 02					1,047 76
204,	17.86		17.86		48 16	860 26								99 10	959 36
205,	36.22	22.07	14.15	38 04	28 32	404 73	618 81	1.4	8 29	11 61					1,035 19
206,	12.42		12.42		30 12	249 86		12.42	10 16	126 23					376 09
207,	21.12		21.12		32 14	678 79		21.12	13 17	278 27				308 10	1,265 16
208,	28.96		28.96		49 57	1,435 30		28.96	14 08	406 29				265 83	2,107 62
209,	29.75		29.75		26 12	777 26		13.	17 77	225 82					1,003 08
210,	12.01		12.01		36 23	435 13		12.01	5 39	64 75					499 88
211,	19.37		19.37		38 10	737 85		19.37	5 18	100 47					838 32
212,	17.57		17.57		46 44	1,822 43		40.75	7 88	321 06					2,213 49
213,	28.39		28.39		31 02	880 63		28.39	11 06	314 08					1,194 71
214,	48.	1.49	46.51	72 00	45 00	2,120 94	107 28	16.28	18 49	299 61				444 85	2,972 68
215,	37.084	.5	36.584		44 51	1,626 06				325 32					1,951 37
216,	30.92		30.92		53 68	1,659 70		30.92	16 16	500 00				65 36	2,225 06
217,	23.3		23.3		54 29	1,264 85									1,264 85
218,	34.33		34.33		43 20	1,483 18		12.72	16 10	204 76					1,687 94
219,	58.479	1.8	56.679	35 76	35 76	1,998 95	64 37			18 93				173 76	2,256 01

SCHEDULE A-2—Continued.

Route No.	Total number miles surveyed.	Miles in alternate lines.	No. miles surveyed main route.	Cost per mile alternate lines.	Cost per mile main route.	Total cost main route.	Total cost alternate line.	District Engineers' Offices.			Harrisburg Office.			Cost engineering and inspection incidental to construction.	Total cost of route.
								No. miles plotted.	Cost per mile plotting.	Total cost plotting.	No. miles checked and traced.	Cost per mile checking and tracing.	Total cost checking and tracing.		
220,	40.6	.4	40.2	45 00	46 94	1,887 01	18 00							18 00	1,923 01
221,	44.41		44.41		46 52	1,799 32		44.41	12 08	534 42	13.26	11 68	154 84	1,323 15	3,811 73
222,	32.41	1.	31.41	40 25	40 03	1,257 34	40 25	30.23	9 92	299 97				591 39	2,088 65
223,	26.09		26.09		41 14	1,073 45									1,073 45
224,	29.329		29.329		61 65	1,808 26		29.329	10 92	320 40	11.36	6 45	73 34	74 56	2,276 56
225,	21.88		21.88		54 58	1,194 26		21.88	14 98	327 65					1,521 91
226,	25.3		25.3		54 14	1,369 79									1,369 79
227,	53.3	17.7	35.6	70 55	64 49	2,666 40	1,248 71							38 43	3,373 54
228,	49.335		49.335		47 17	1,841 30		21.428	7 34	157 31				264 79	2,263 40
229,	10.866		10.866		35 48	385 59								107 98	593 57
230,	21.08		21.08		65 65	1,259 56		21.08	12 46	262 61				142 89	1,765 06
231,	13.82		13.82		62 78	867 66		13.82	13 74	190 00					1,057 66
232,	32.9	9.1	23.8	53 00	54 15	1,288 69	434 60	25.10	7 37	185 00	23.81	8 82	210 10	12 39	2,130 78
233,	30.77		30.77		31 87	980 65		28.02	9 52	272 55					1,253 20
234,	38.85	1.40	37.45	41 00	49 05	1,837 32	57 49	15.67	11 41	178 88				313 31	2,386 96
235,	17.85		17.85		72 12	1,287 41									1,287 41
236,	22.83		22.83		32 45	740 80		.75	5 70	4 56				71 02	817 07
237,	20.6		20.6		46 22	952 02		20.6	8 65	179 10					1,131 12
238,	56.5		36.5		42 33	1,544 86		36.5	12 48	455 45				1,863 14	3,863 45
239,	33.22		33.22		48 65	1,616 22									1,616 22
240,	31.25		31.25		53 87	1,683 44								402 13	2,085 57
241,	28.6	12.2	28.4	69 33	66 15	1,746 24	779 99							6 88	2,533 12
242,	21.07	5.42	15.65	39 34	40 61	635 60	213 22								848 82
243,	13.27		13.27		38 91	516 41									516 41
244,	27.877		27.877		58 80	1,639 33				213 80					1,853 19

245,	8.659		8.659		41 47	359 10		8.659	2 02	17 50				2 75	379 35
246,	85.		85.		69 63	2,437 30		85.	4 22	147 85				4,783 86	7,369 01
247,	48.56	2.36	46.2	36 22	35 06	1,290 84	85 47			21 06				555 85	1,953 82
248,	28.11		28.11		40 16	1,128 78		8.4	10 68	89 71					1,218 49
249,	26.74		26.74		45 75	1,223 45									1,223 45
250,	29.57		29.57		73 33	2,168 28		29.57	14 24	421 19				55 92	2,645 39
251,	36.76		36.76		52 98	1,947 73		12.87	11 95	153 80					2,101 53
252,	9.12		9.12		62 70	571 81									571 81
253,	33.35		33.35		41 37	1,380 44		33.35	8 24	274 77					1,655 21
254,	24.8	1.	23.8	55 50	66 44	1,438 51	55 50							16 50	1,510 51
255,	19.3	1.	18.3	55 00	55 71	1,019 47	55 00								1,074 47
256,	17.44		17.44		64 11	1,118 03		17.44	9 45	165 03					1,283 06
257,	26.73		26.73		37 39	999 31									999 31
258,	22.08		22.08		20 73	457 88		6.	17 09	102 52					560 40
259,	16.58		16.58		58 76	974 24		16.58	10 69	177 17					1,151 41
260,	24.24	.95	23.29	37 24	37 24	867 32	35 38	12.98	9 85	127 55				40 50	1,070 75
261,	32.4		32.4		39 90	1,292 56									1,292 96
262,	18.87		18.87		47 38	893 99								8 39	902 38
263,	14.9	2.4	12.5	65 00	67 20	450 20	156 00								606 20
264,	33.121		33.121		54 88	1,817 51		33.121	8 41	295 38					2,222 89
265,	19.22		19.22		41 26	792 90								348 44	1,141 34
266,	59.93		59.93		42 89	2,570 44									2,570 44
267,	24.192		24.192		97 76	1,830 24		24.192	10 50	254 10				7 33	1,900 67
268,	36.6		36.6		56 58	2,070 99		36.6	9 29	339 83					2,410 73
269,	11.44		11.44		41 61	476 02		11.44	8 44	96 58				475 20	1,047 80
270,	49.26		49.26		60 39	2,974 97									2,974 97
271,	32.04		32.04		42 87	1,373 71		6.58	6 70	43 78					1,417 49
272,	34.71		34.71		47 42	1,645 90		34.71	5 11	177 45					1,823 35
273,	14.71		14.71		64 33	946 23		14.71	8 90	130 83					1,077 06
274,	48.12		48.12		72 37	3,000 86								401 18	4,002 04
275,	7.74		7.74		40 77	310 20		7.74	14 49	112 23				139 21	561 64
276,	54.63	3.	51.63	40 21	38 77	2,001 80	120 64	50.25	7 62	383 27					2,505 71
277,	25.46		25.46		51 20	1,303 66		3.00	12 99	38 96					1,342 62
278,	28.21		28.21		48 05	1,355 49									1,355 49
279,	14.64		14.64		49 76	728 53		14.64	18 34	268 87					997 40
280,	40.421		40.421		51 70	2,089 65									2,089 65
281,	13.92		13.92		34 17	475 75									475 75
282,	6.81		6.81		46 32	315 45									315 45
283,	23.9		23.9		47 48	99 27		13.07	11 27	154 13					1,145 40
284,	17.24		17.24		33 29	573 93									573 93
285,	19.71		19.71		97 09	1,340 03									1,340 03
286,	62.01	5.58	56.43	47 97	36 85	2,192 30	267 70	44.50	8 55	380 25				59 83	2,900 08
287,	17.4		17.4		52 49	913 49		17.40	9 62	167 45				184 51	1,265 45
288,	28.9		28.9		89 77	2,594 38		28.90	17 30	499 97					3,094 35
289,	10.18		10.18		40 74	414 79		10.18	8 98	91 20					505 99
290,	12.85		12.85		40 33	518 20									518 20
291,	44.03		44.03		30 85	1,358 43									1,358 43
292,	20.12		20.12		33 13	666 73		20.12	5 30	106 77					773 50

SCHEDULE A-2—Continued.

Route No.	Total number miles surveyed.	Miles in alternate lines.	No. miles surveyed main route.	Cost per mile alternate lines.	Cost per mile main route.	Total cost main route.	Total cost alternate line.	District Engineers' Offices. No. miles plotted.	Cost per mile plotting.	Total cost plotting.	Harrisburg Office. No. miles checked and traced.	Cost per mile checking and tracing.	Total cost checking and tracing.	Cost engineering and inspection incidental to construction.	Total cost of route.
293	10.807		10.807			289 32		10.807	6 20	67 41					456 63
294	20.59		20.59		55 82	743 35		20.59	9 83	202 01					945 36
295	26.6		26.6		36 15	961 53		17.	4 11	69 79					1,031 32
296	14.8		14.8		56 32	833 43									833 43
	9,088.905	271.14	8,827.825	$49 40	$47 70	$419,142 09	$13,368 26	4,700.554	$11 44	$53,804 70	747.6	$8 44	$6,306 86	$79,393 07	$571,995 04

*Average cost, 18.84 miles, data obtained from notes of Allegheny county surveys.
*Route No. 108— 5 miles, data obtained from notes of Allegheny county surveys.
*Route No. 119— 7 miles, data obtained from notes of Allegheny county surveys.
*Route No. 187— 9.3 miles, data obtained from notes of Allegheny county surveys.
40.14

Average cost per mile for surveying main routes,	$47 70
Average cost per mile for surveying alternate lines,	49 40
Average cost per mile for surveying plotting,	11 44
Average cost per mile for surveying checking and tracing,	8 44

SCHEDULE A-3.

State Highway Fund, Statement of Maintenance Expense.

June 1, 1912 to January 1, 1913.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
1	Dauphin,		32.1			
	Northumberland,	54.932	22.	$7,745 95	$955 09	$8,701 04
2	Northumberland,		9.			
	Montour,	11.4	2.	1,306 40		1,306 40
3	Montour,		4.			
	Columbia,	9.32	4.	2,049 43		2,049 43
4	Columbia,		13.			
	Luzerne,	38.44	17.	2,402 93	14 83	2,417 76
5	Luzerne,					
	Lackawanna,	14.9	1.	551 41		551 41
6	Lackawanna,		2.			
	Wayne,	31.5	4.5	1,743 89	114 31	1,858 20
7	Pike,		14.			
	Wayne,	42.1	9.	4,130 01		4,130 01
8	Pike,	6.8	5.	1,269 02		1,269 02
9	Susquehanna,		9.7			
	Lackawanna,					
	Wyoming,	36.	4.	4,200 02	17,788 42	21,989 04
10	Susquehanna,	26.6	15.	886 52	5 66	892 18
11	Luzerne,		4.			
	Wyoming,	28 42	14.	2,277 52	92 93	2,370 45
12	Susquehanna,		14.			
	Wyoming,	22.3	8.	1,306 48	190 96	1,497 44
13	Bradford,		20.95			
	Wyoming,	39.	18.	3,844 79	93 87	3,938 66
14	Bradford,		10.			
	Susquehanna,	35.94	15.	3,479 24	30 84	3,510 08
15	Bradford,	21.09	16.19	5,098 99		5,098 99
16	Columbia,		24.			
	Sullivan,	41.19	11.78	2,688 71	357 60	3,046 31
17	Bradford,		16.27			
	Sullivan,	34.72	13.34	1,567 36	22 55	1,589 91
18	Lycoming,		9.33			
	Northumberland,	44.25	25.	3,441 38	223 76	3,665 14
19	Lycoming,		13.42			
	Sullivan,	26.77	10.93	2,098 51	219 19	2,317 70
20	Bradford,		29.55			
	Lycoming,		21.55			
	Tioga,	71.70	4.67	8,228 45	2,556 06	10,784 51
21	Lycoming,		14.71			
	Tioga,	44.76	20.14	4,508 37	896 91	5,405 28
22	Tioga,	24.77	22.	2,908 46	135 95	3,044 41
23	Clinton,		7.5			
	Lycoming,	21.05	9.55	2,895 75	1,689 92	4,585 67
24	Snyder,		3.			
	Union,	11.	6.	510 35	89 24	599 59
25	Snyder,	16.919	16.	737 07	297 89	1,034 96
26	Snyder,		5.			
	Union,	17.06	8.	284 70	75 43	360 13
27	Centre,		22.			
	Union,	57.65	22.	3,822 65	330 99	4,153 64
28	Mifflin,		6.			
	Snyder,	33.509	17.	2,292 43	1,246 05	3,538 48
29	Centre,		7.4			
	Mifflin,	21.36	4.	4,267 25	1,090 89	5,358 14
30	Perry,		21.4			
	Cumberland,	26.716	3.	3,778 88	2,918 64	6,697 52
31	Juniata,		12.			
	Perry,	26.21	11.	3,407 01	2,758 64	6,225 65
32	Juniata,					
	Mifflin,	12.077		20 60	127 75	148 35
33	Huntingdon,		11.55			
	Mifflin,	34.509	22.96	3,627 01	1,089 76	4,616 77
34	Cumberland,	17.515	14.	5,216 39	1,844 65	7,061 04
35	Cumberland,		16.			
	Franklin,	26.51		9,433 80	2,077 83	11,511 63

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Material.	Total maintenance cost.
36	Franklin,	14.8	8.5	13,868 39	2,787 55	16,655 94
37	Franklin,					
	Fulton,	21.427				
38	Fulton,	24.9	2.	1,302 67	388 09	1,690 76
39	Bedford,		18.99			
	Fulton,	34.192		7,728 97	2,524 77	10,253 74
40	Cumberland,		5.			
	Perry,	16.4	4.	1,929 13	990 07	2,919 20
41	Adams,		10.			
	Cumberland,	28.3	9.	6,156 17	91 54	6,247 71
42	Adams,	12.17,				
43	Adams,					
	Franklin,	24.09			45	45
44	Adams,		10.			
	Franklin,	24.31		1,633 87	371 11	2,004 98
45	Franklin,		9.			
	Juniata,	58.62	28.	6,447 11	1,664 96	8,112 07
46	Bedford,		12.			
	Huntingdon,	46.66	17.	1,717 10	83 94	1,801 04
47	Bedford,		15.			
	Blair,	37.26	12.	3,833 87	1,878 40	5,732 27
48	Bedford,	25.38	9.	325 47	7 05	332 52
49	Bedford,		14.			
	Somerset,	39.86	10.	3,271 86	865 43	4,137 29
50	Fayettee,		15.			
	Somerset,	47.26		1,065 48	87 76	1,153 24
51	Somerset,	21.05	20.	850 24	58 10	908 40
52	Cambria,		14.			
	Somerset,	56.66	24.	4,868 06	371 22	5,239 28
53	Blair,		11.5			
	Cambria,	26.51	9.	4,303 93	1,418 42	5,722 35
54	Cambria,		10.53			
	Indiana,	40.076	20.	4,706 81	279 96	4,986 77
55	Blair,		21.			
	Huntingdon,	43.12	5.	4,973 88	1,372 41	6,346 29
56	Centre,		16.			
	Huntingdon,	39.86	19.25	6,107 14	3,234 62	9,341 76
57	Clearfield,		19.			
	Centre,		9.5			
	Blair,	41.664	6.	8,461 74	456 92	8,918 66
58	Centre,		9.			
	Clinton,	26.608	9.	11,066 97	9,822 94	20,889 91
59	Clearfield,		23.			
	Elk,		14.7			
	Jefferson,	59.098	10.73	6,904 39	516 50	7,420 96
60	Clearfield,		14.			
	Jefferson,	18.43	14.22	1,555 87	23 00	1,578 87
61	Jefferson,	17.50	16.17	922 40		922 40
62	Cambria,		18.			
	Clearfield,	56.07	27.5	5,472 49	406 09	5,878 58
63	Indiana,		23.			
	Jefferson,	51.88	10.65	4,064 10	275 16	4,339 26
64	Clarion,		7.09			
	Jefferson,	17.25	5.88	2,896 28	9 41	2,905 69
65	Clarion,		12.61			
	Venango,	27.83	13.96	4,314 22	430 34	4,744 56
66	Armstrong,		17.64			
	Clarion,	39.27	19.51	6,329 81	174 58	6,504 39
67	Armstrong,		16.13			
	Indiana,	27.51	9.	7,029.83	411 10	7,440 93
68	Indiana,		15.			
	Westmoreland,	35.36	18.	2,702 76	482 18	3,244 94
69	Armstrong,		28.			
	Westmoreland,	55.41	18.	5,065 56	86 30	5,151 86
70	Allegheny,	18.84				
71	Armstrong,		8.51			
	Butler,	21.49	11.21	3,654 83	340 47	3,995 30
72	Allegheny,					
	Butler,	31.72			14 42	14 42

SCHEDULE A-3—Continued.

Route Numbe.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Material.	Total maintenance cost.
73	Butler,		22.46			
	Mercer,	37.67	10.2	3,238 50	94 66	3,335 16
74	Mercer,	37.67	10.2	3,238 50	94 66	3,333 16
75	Butler,		23.94			
	Venango,	42.53	14.44	3,990 69	444 15	4,574 84
76	Allegheny,		4.11	850 25	8 40	858 65
	Beaver,	21.94	11.5			
77	Beaver,		8.			
	Lawrence,	22.55	10.	2,986 36	160 82	3,147 18
78	Beaver,		10.27			
	Butler,	29.47	17.	2,969 36	197 38	3,166 74
79	Butler,		15.21			
	Lawrence,	37.43	8.88	2,761 09	135 69	2,896 78
80	Lawrence,		6.48			
	Mercer,	16.14	8.32	2,701 80	28 70	2,730 50
81	Lawrence,	11.64	11.64	1,074 19	322 26	1,396 45
82	Crawford,		19.3			
	Mercer,	39 66	19.08	2,749 46	274 94	3,024 40
83	Crawford,	12.90	12.5	135 60	7 14	142 74
84	Crawford,		14.5			
	Erie,	40.34	22.21	806 51	322 67	1,189 18
85	Crawford,		21.			
	Erie,	37.87	13.7	951 90	520.10	1,472 00
86	Erie,	34.50	20.5	1,478 35	51 80	1,530 15
87	Erie,	17.20	16.2	1,428 65	253 73	1,682 38
88	Erie,		28.3			
	Warren,	68.29	20.7	2,829 76	463 60	3,293 36
89	Crawford,		21.1			
	Warren,		19.9			
	Venango,	49.88	5.9	1,449 13	405 70	1,854 83
90	Crawford,					
	Venango,	16.37	14.83	679 80	34 57	714 37
91	Forest,		5.5			
	Venango,	30.07	24.57	2,016 38	239 32	2,255 70
92	Clarion,		15.50			
	Forest,	23.10	7.20	849 09	212 79	1,061 88
93	Forest,		16.2			
	Warren,	29.09	15.9	799 65	131 37	931 02
94	Warren,	11.80	11.2	205 92	3,005 47	3,211 39
95	McKean,		29.1			
	Warren,	55.26	17.1	1,155 53	109 66	1,265 19
96	McKean,	18.75	17.8	1,016 25	17 95	1,034 20
97	Elk,		16.6			
	McKean,	45.61	24.9	1,842 71	506 04	2,348 75
98	Elk,					
	Forest,	60.26	26.7	181 03	172 33	353 36
99	Cameron,		19.32			
	Elk,	32.59	20.2	2,912 74	984 59	3,897 33
100	Cameron,		9.			
	McKean,		23.1			
	Potter,	37.30	3.9	795 33	435 85	1,231 18
101	McKean,		14.1			
	Potter,	37.30	9.68	672 16	75 98	748 14
102	Potter,		17.			
	Tioga,	45.55	15.	2,533 50	28 04	2,561 54
103	Potter,		21.			
	Tioga,	58.64	14.	4,465 68	568 96	5,034 64
104	Potter,	20.65	17.	1,440 30	68 92	1,509 22
105	Cameron,		20.			
	Clinton,	75.063	29.	5,194 12	422 02	5,616 14
106	Clinton,		11.			
	Lycoming,	68.77	16.	1,109 14	189 23	1,282 37
	Tioga,	33.315	26.5	4,888 11	1,320 27	6,208 38
107	Centre,					
108	Allegheny,	11.97	11.97	2,192 30	76 69	2,268 99
	Washington,		12.76			
109	Greene,	27.83	15.07	1,994 48	93 72	2,088 20
	Washington,	17.52	17.52	972 55	579 11	1,551 66
110	Greene,	25.17	25.17	2,129 86	13 10	2,142 96
111	Greene,					

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
112	Fayette,		13.8			
	Greene,	28.80	18.	2,966 26	374 04	3,340 30
113	Fayette,					
	Washington,	26.25			242 66	242 66
114	Washington,	59.78	10.45	263 83		263 83
115	Beaver,		23.74			
	Washington,	49.94	26.2	1,942 61	98 68	2,041 19
116	Fayette,	18.40	18.4	1,212 88	33 18	1,246 06
117	Fayette,		19.2			
	Westmoreland,	37.42		1,371 99	141 05	1,513 04
118	Washington,		24.8			
	Westmoreland,	46.81	5.	1,357 70	70.05	1,427 75
119	Bedford,					
	Somerset,					
	Westmoreland,	60.34		883 43	26,720 52	27,473 95
120	Allegheny,					
	Westmoreland,	22.42		58 44	872 05	930 49
121	Franklin,		1.			
	Huntingdon,	25.933	18.	1,212 16	52 51	1,264 67
122	Franklin,					
	Perry,	31.55	29.79	2,486 14	4,610 61	7,096 75
123	Adams,		15.			
	Cumberland,		9.			
	York,	34.8	9.	9,583 36	796 45	10,379 81
124	York,	21.45	11.	1,026 74	307 39	1,334 13
125	Cumberland,		9.5			
	York,	11.	1.5	3,554 07	162 61	3,716 68
126	Adams,					
	York,	27.65		15 59	9,907 00	9,925 59
127	York,	17.11	Toll.			
128	Lancaster,					
	York,	21.32				
129	Dauphin,		7.			
	Lancaster,	33.092	2.	1,459 77	789 97	2,249 74
130	Delaware,	8.29				
131	Chester,		10.			
	Delaware,	40.82	4.	2,722 97	23 03	2,746 00
132	Delaware,	11.29	3.	494 52		494 52
133	Chester,		11.			
	Delaware,	19.78	2.5	2,273 26	44 14	2,322 34
134	Chester,	11.48	2.	889 28		889 28
135	Chester,		4.8			
	Delaware,	11.19	4.	645 46	6 50	651 96
136	Lancaster,	28.758	27.	1,228 30	1,628 54	2,856 84
137	Chester,		5.			
	Lancaster,		14.			
	Lehanon,	55.903	4.	2,535 14	305 70	2,852 84
138	Lancaster,		8.			
	Lehanon,	20.457	5.	1,288 55	340 15	1,568 70
139	Dauphin,		4.			
	Lehanon,	23.92		9,211 50	4,861 23	14,072 73
140	Dauphin,		15.90			
	Lehanon,		26.92			
	Schuylkill,	64.95	18.	14,950 17	3,195 24	18,145 41
141	Lebanon,		7.			
	Schuylkill,		10.9			
	Berks,	53.529	12.	6,958 94	1,145 68	8,104 62
142	Chester,		8.			
	Delware,					
	Lancaster,		18.			
	Montgomery,	62.349		3,773 69	1,205 01	4,983 70
143	Chester,					
	Montgomery,	17.47		9.50	7,180 33	7,189 83
144	Chester,		84			
	Delaware,		10.			
	Montgomery,	16.49		1,793 90	65 62	1,859 52
145	Montgomery,	8.08	6.6	680 92	386 12	1,067 04
146	Berks,		8.			
	Montgomery,	36.34	4.77	1,095 15		1,095 15

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
147	Berks,		8.			
	Chester,	40.51	24.	1,948 20	37 47	1,985 67
148	Berks,					
	Lancaster,	30.629	18.	257 66	1,136 28	1,423 94
149	Berks,		6.	880 16	60 00	940 16
	Lebanon,	27.248				
150	Bucks,	17.77	17.77	2,420.73		2,420 73
151	Bucks,					
	Montgomery,	18.17				
152	Bucks,	25.24	9.	838 40	138 90	977 30
153	Bucks,		7.			
	Lehigh,					
	Montgomery,	36.04	3.82	1,594 65	1,049 69	2,644 34
154	Bucks,	4.32				
155	Bucks,					
	Montgomery,	19.95				
156	Bucks,		21.			
	Northampton,	31.03		3,885 90	219 62	4,105 52
157	Berks,		17.			
	Lehigh,	31.	13.2	3,650 27	763 23	4,413 50
158	Lehigh,		8.			
	Montgomery,	33.75	10.3	2,790 85	465 79	3,256 64
159	Lehigh,					
	Northampton,	14.1	9.	1,033 12	88 50	1,126 62
160	Berks,	14.33	13.	2,173 76	210 65	2,384 41
161	Columbia,					
	Northumberland,		17.			
	Schuylkill,	46.89		2,807 01	211 10	3,078 11
162	Carbon,					
	Schuylkill,	31.98				
163	Carbon,		9.			
	Lehigh,	29.58	13.9	1,959 12	283 25	2,242 37
164	Carbon,		10.			
	Monroe,	32.03	18.	2,624 98	222.90	2,847 88
165	Monroe,		8.			
	Northampton,	32.11	8.7	2,062 65	16 68	2,079 23
166	Monroe,		3.			
	Northampton,	29.60	18.6	3,900 35	118 52	4,078 87
167	Monroe,		9.			
	Pike,	34.2	18.	3,216 97	105 89	3,322 86
168	Lackawanna,		5.			
	Monroe,		20.			
	Wayne,	41.5		5,114 17		5,114 17
169	Luzerne,		15.5			
	Monroe,	52.13	16.5	5,879 65	3 06	5,882 71
170	Carbon,		3.			
	Luzerne,	41.77	17.	1,624 08	17 27	1,641 35
171	Monroe,		6.			
	Wayne,		31.			
	Pike,	52.6	3.	5,897 91	15.00	5,912 91
172	Lackawanna,		6.			
	Wayne,	9.9	3.8	3,020 18	127 64	3,147 82
173	Wayne,	33.8	30.	3,826 25	48 16	3,874 41
174	Lackawanna,		5.7			
	Susquehanna,	30.9	22.	4,674 67	13 10	4,687 77
175	Northampton,	29.04	17.	549 69	2,759 67	3,309 36
176	Union,		15.			
	Lycoming,	36.01	5.	1,304 36	221 80	1,526 16
177	Luzerne,		29.			
	Sullivan,		2.			
	Wyoming,	46.14		1,600 37		1,600 37
178	Bucks,		7.			
	Montgomery,	19.75	5.06	2,169 98	468 61	2,638 59
179	Chester,					
	Delaware,	9.59	1.	95 34		95 34
180	Delaware,	17.70	7.	909 87	57.45	967 32
181	Allegheny,					
	Washington,		19.3			
	Westmoreland,	42.	12.	6,082 81	269.97	6,352 78

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
182	Montour,		4.			
	Northumberland,	11.58	11.	336.92		336 92
183	Columbia,		10.			
	Schuylkill,	30.30		2,003 84	5 93	2,077 77
184	Luzerne,	17.68	10.	671 04		671 04
185	Luzerne,		9.			
	Schuylkill,	11.56	8.	998 57	4 55	1,003 12
186	Somerset,		11.80			
	Westmoreland,	28.79	14.	2,640 32	578 05	3,227 37
187	Allegheny,		7.			
	Westmoreland,	27.72	14.	3,406 72	289 56	3,696 28
188	Indiana,		9.			
	Westmoreland,	38.605	15.	3,945 21	498 83	4,444 04
	Armstrong,		11.			
189	Clearfield,		4.			
	Indiana,		13.			
	Jefferson,		10.4			
	Armstrong,	50.94	10.8	2,480 84	48 90	2,529 74
190	Adams,		10.			
	York,	27.		451 59	887 05	1,338 64
191	Cumberland,		7.			
	Perry,	45.55	25.0	5,797 51	900 16	6,697 67
192	Fulton,		5.			
	Huntingdon,		19.			
	Mifflin,	68.06		2,284 84	764 48	3,049 32
193	Fulton,		4.			
	Huntingdon,		10.			
	Juniata,	59.	24.	4,743 39	1,139 66	5,883 05
194	Juniata,		8.			
	Snyder,	34.978	16.	2,054 19	286 21	2,340 40
195	Juniata,		1.68			
	Perry,		18.908			
	Snyder,		15.			
	Dauphin,	37.704	1.829	13,411 99	4,890 28	18,302 27
196	Tioga,	12.37	9.68	1,748 16		1,748 16
197	Berks,		14.			
	Montgomery,	53.69	28.43	3,407 88	1,182 96	4,590 84
198	Montgomery,	29.76	17.47	2,282 21	464 90	2,747 11
199	Dauphin,		16.			
	Schuylkill,	44.81		3,210 14	1,893 68	5,103 82
200	Crawford,		29.8			
	Warren,	44.42	12.4	870 97	276 51	1,147 48
201	Chester,		12.			
	Montgomery,	32.42	15.	3,406 32	360 84	3,767 16
202	Chester,		10.			
	Montgomery,	19.61	4.	1,228 99	44 57	1,273 56
203	Armstrong,	17.03	11.77	3,749 07	116 09	3,865 16
204	Beaver,	17.86	17.86	1,443 22	288 67	1,731 89
205	Venango,	14.15	13.38	85 02	39 00	124 02
206	Crawford,		5.4			
	Mercer,	12.42	5.56	400 80	64 85	465 65
207	Crawford,		12.5			
	Venango,	21.13	6.51	775 77	67 94	843 71
208	Mercer,		14.2			
	Venango,	28.96	9.41	3,219 95	150 08	3,370 08
209	Warren,		13.6			
	McKean,	29.75	16.1	1,649 55	584 13	2,233 68
210	McKean,	12.01	10.	231 08	31 31	262 39
211	McKean,	19.37	14.7	689 76	122 27	812 03
212	Bradford,		4.5			
	Tioga,	17.57	10.61	1,941 83	211 76	2,153 59
213	Crawford,		10.7			
	Mercer,	28.39	17.21	3,208 23	394 42	3,602 65
214	Butler,		13.23			
	Clarion,		21.89			
	Armstrong,	46.51	5.78	6,462 71	182 84	6,645 55
215	Chester,		12.			
	Lancaster,	36.534	8.	2,642 93	832 06	3,474 99
216	York,	30.92	18.	2,938 92	1,711 86	4,650 78

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
217	Sullivan,		4.			
	Wyoming,	23.3	13.	1,202 90	40 52	1,243 42
218	Butler,		2.1			
	Clarion,		13.95			
	Venango,	34.33	14.81	2,613 57	409 78	3,023 35
219	Centre,		26.5			
	Clearfield,		9.			
	Clinton,	56.679	5.	10,722 65	1,282 32	12,004 97
220	Monroe,		10.			
	Pike,	40.2	10.	375 65		375 65
221	Blair,		14.			
	Cambria,		15.5	2,269 95	108 59	2,378 54
	Clearfield,	44.41	12.72			
222	Bedford,		8.			
	Cambria,		10.41	629 78	10,182 68	10,812 46
	Somerset,	31.41	15.	2,772 71	110 43	2,883 14
223	Cambria,		26.09			
	Indiana,		9.			
224	Franklin,		12.			
	Fulton,	29.3				
225	Delaware,		21.88	2,305 89	96 05	2,401 94
	Montgomery,		11.			
226	Lehigh,	25.30	8.	541 33	32 79	574 12
	Schuylkill,		14.5			
227	Susquehanna,	35.6	13.3	2,591 47	1 05	2,592 52
	Wayne,					
228	Allegheny,		14.5			
	Indiana,		7.	3,657 85	325 78	3,983 63
	Westmoreland,	49.235	10.	2,422 20	721 92	3,144 12
229	Snyder,	10.866				
230	Adams,		9.	902 33	344 59	1,246 91
	York,	21.00	5.	921 38	270 35	1,191 73
231	Adams,	13.32	6.			
232	Luzerne,		5.	2,325 53	33 29	2,358 82
	Wyoming,	23.8	3.71			
233	Butler,		10.54			
	Lawrence,		15.88	3,322 96	201 57	3,524 53
	Venango,	30.77	14.27			
234	Cambria,		18.	5,929 86	80 82	6,010 68
	Clearfield,	37.45	13.			
235	Luzerne,		4.	500 96	17 85	578 79
	Columbia,	17.85	4.2			
236	McKean,		17.24	1,798 45	170 04	1,968 49
	Potter,	22.88	8.99			
237	Clarion,		7.79	2,367 44	113 80	2,481 24
	Jefferson,	20.60	5.9			
238	Crawford,					
	Lawrence,		23.13	3,128 07	410 89	3,538 96
	Mercer,	36.50	17.			
239	Columbia,		15.8	2,080 37	154 33	2,235 20
	Lycoming,	33.22	8.61			
240	Lycoming,		10.			
	Montour,		5.			
	Northumberland,		3.	2,355 09	359 30	2,714 39
	Union,	31.25	4.64			
241	Bradford,		18.	1,928 39		1,928 39
	Wyoming,	26.4	15.65	1,359 50	101 88	1,461 38
242	Washington,	15.65	13.27	581 86	266 68	848 54
243	Beaver,	13.27	3.			
244	Berks,		10.	576 61	224 10	800 71
	Lancaster,	27.877	2.			
245	Blair,		5.7	437 35	48 05	485 40
	Centre,	8.659				
246	Allegheny,		16.	1,619 52	581 00	2,200 52
	Butler,	35.				
247	Allegheny,		19.83			
	Fayette,		18.07	2,257 35	2 50	2,259 85
	Washington,	46.20	11.2			
248	Clarion,		16.09	2,653 82	17 54	2,671 36
	Jefferson,	28.11				

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
249	Columbia,		18.			
	Montour,		6.			
	Northumberland,	26.74		476 41		476 41
250	York,	29.57	17.	2,520 04	304 54	2,824 58
251	Armstrong,		16.65			
	Butler,		8.07			
	Clarion,	36.76	5.06	4,935 07	219 55	5,154 62
252	Bucks,	9.12	7.36	2,851 97	135 62	2,987 59
253	Forest,		26.15			
	Warren,	33.35	7.2	1,054 95	131 44	1,186 39
254	Pike,		4.			
	Wayne,	23.8	.5	501 83	34 85	536 68
255	Pike,	18.3	7.	291 47		291 47
256	Greene,	17.44	17.44	1,479 87	13 50	1,493 37
257	Allegheny,					
	Washington,	20.73	13.7	347 45		347 45
258	Crawford,					
	Erie,	22.08	18.4	1,364 95	174 37	1,539 32
259	Montour,		9.			
	Northumberland,	10.58	6.	1,049 88	10 23	1,060 11
260	Blair,		8.			
	Huntingdon,	23.29		1,492 85		1,492 85
261	Huntingdon,		11.			
	Mifflin,	32.40		330 85	5 86	336 71
262	Clearfield,					
	Indiana,	18.37	15.	1,150 95	70 09	1,221 04
263	Susquehanna,	12.5	12.5	1,108 51	35 14	1,143 65
264	Franklin,	35.1	13.	1,841 55	52 88	1,894 43
265	Beaver,		4.91			
	Lawrence,	19.22	14.	1,093 59	35 53	1,129 12
266	Lycoming,		15.			
	Potter,	50.93	5.	992 04	7 68	999 72
267	Bedford,					
	Fulton,	24.2	3.	496 79	44 38	540 17
268	Greene,		12.30	3,242 52	113 78	3,356 30
	Washington,	36.60	24.3			
269	Somerset,	11.44	8.45	2,262 15	41 24	2,303 39
270	Bucks,					
	Chester,		16.9			
	Montgomery,	49.26	8.76	2,617 75	337 50	2,955 25
271	Crawford,		15.3			
	Erie,	32.04	10.3	751 19	148 45	899 64
272	Crawford,		10.1			
	Erie,	34.71	23.1	224 49	27 38	251 87
273	Chester,	14.71	11.7	1,834 71		1,834 71
274	Berks,		3.			
	Chester,		3.			
	Lancaster,	48.12		520 29	121 00	641 29
275	Juniata,	7.74	5.	656 60	561 08	1,217 68
276	Cambria,		25.			
	Clearfield,	51.63		2,730 02	258 25	2,988 27
277	Cameron,		9.07			
	McKean,	25.46	15.06	540 07	49 40	538 07
278	Beaver,	28.21	28.21	1,643 52	74 00	1,717 52
279	Warren,	14.64	13.8	430 44	42 45	472 89
280	Lancaster,		1.5			
	Lebanon,	40.421	12.	1,100 15	302 94	1,403 09
281	Bucks,	13.92	12.94	1,837 84	406 34	2,244 18
282	Chester,		1.			
	Delaware,	6.81	1.	63 26		63 26
285	Columbia,		7.			
	Northumberland,	23.90	16.	356 89		356 89
284	Berks,		8.81			
	Montgomery,	17.24	2.94	1,476 61	667 11	2,133 72
283	Berks,		.5			
	Lehigh,					
	Schuylkill,	19.71				
286	Bedford,		22.			
	Blair,	56.43	5.	2,359 82	35 42	2,396 24
287	Bradford,	17.40	9.87	1,880 60	271 28	2,151 88

SCHEDULE A-3—Continued.

Route Number.	County.	Total mileage in route.	Miles worked in each county.	Maintenance Expense. Labor.	Maintenance Expense. Material.	Total maintenance cost.
288	Allegheny,					
	Fayette,		19.4			
	Westmoreland,	28.90	3.	1,633 94	23 42	1,659 36
289	Lycoming,	10.18	8.85	506 46	63 20	569 66
290	Schuylkill,	12.85	6.	354 84	22 87	377 71
291	Lycoming,		20.21			
	Sullivan,	44.02	21.11	2,505 21	237 83	2,743 04
292	Tioga,	20.12	13.	1,157 53	315 08	1,472 61
293	Perry,	10.867	8.	1,505 03	725 91	2,230 94
294	Crawford,		9.6			
	Mercer,	20.56	7.83	1,010 21	32 55	1,042 76
295	Crawford,		11.4			
	Erie,	20.60	6.	364 00	36 30	400 30
296	Lackawanna,		10.8			
	Susquehanna,	15.0		983 77		983 77
		8,827.825	5,964.617	$709,109 81	$201,273 14	$910,382 95
	Incidentals,					323 63
	Freight,					402 28
	Total,					$911,108 86

Summary of Maintenance Labor.

June 1, 1912, to January 1, 1913.

Showing average number of men and teams employed, total hours employed, rate per hour, and total amount paid.

Average Number of Men.	Average Number of Teams.	Total Hours Employed.	Rate per Hour.	Total Amount Paid.
2,244		2,665,975	$ .1779	
	518	629,365	.4247	$709,109 81

SCHEDULE A-4.

Statement of Road Map Survey.

Showing County, Mileage, Completed Maps, Engineering Expense and Cost of Printing Maps, June 1, 1911, to January 1, 1913.

	County.	Mileage in completed maps, printed or ready for printing.	Engineering and plioting expense.	Cost of printing maps.	Total charges.
1	Adams,		$8,472 67		$8,472 67
2	Allegheny,		3,726 77		3,726 77
3	Armstrong,		2,441 40		2,441 40
4	Beaver,		7,288 51		7,288 51
5	Bedford,		3,983 00		3,983 00
6	Berks,	2,334.76	1,655 00		3,980 00
7	Blair,		1,638 45		1,638 45
8	Bradford,				
9	Bucks,	1,517.07		242 00	242 00
10	Butler,				
11	Cambria,		6,590 98		6,590 98
12	Cameron,	155.3	1,316 57		1,346 57
13	Carbon,		2,764 92		2,764 92
14	Centre,		35 23		35 23
15	Chester,	2,307.84	690 00	297 00	887 00
16	Clarion,	1,295.35		196 00	196 00
17	Clearfield,		3,581 41		3,581 41
18	Clinton,		3,631 13		3,691 13
19	Columbia,	1,242.984	164 18		164 18
20	Crawford,	2,198.39		208 00	208 00
21	Cumberland,		14,354 11		14,354 11
22	Dauphin,	993.25		195 00	195 00
23	Delaware,	513.85		138 00	138 00
24	Elk,	629.2	3,952 22		3,952 22
25	Erie,	1,671.33	28 55	209 00	237 55
26	Fayette,		283 20		283 20
27	Forest,	305.2	2,597 86		2,597 86
28	Franklin,	1,271.81	1,208 81		1,208 81
29	Fulton,	714.45		183 00	183 00
30	Greene,				
31	Huntingdon,				
32	Indiana,		3,498 67		3,498 67
33	Jefferson,		3,603 40		3,603 40
34	Juniata,	759.391		155 00	155 00
35	Lackawanna,		98 35		98 35
36	Lancaster,	2,871.276		280 00	280 00
37	Lawrence,		1,128 18		1,128 18
38	Lebanon,	799.394	6,115 58		6,115 58
39	Lehigh,		500 00		500 00
40	Luzerne,		1,781 77		1,781 77
41	Lycoming,		3,017 27		3,017 27
42	McKean,	750.6	2,207 54		2,207 54
43	Mercer,		5,820 88		5,820 88
44	Mifflin,		4,673 96		4,673 96
45	Monroe,	944.833	118 87		118 87
46	Montgomery,	1,773.32		190 00	190 00
47	Montour,		720 41		720 41
48	Northampton,	1,016,697	1,740 00		1,740 00
49	Northumberland,				
50	Perry,	989.67		185 00	185 00
51	Pike,	596.475		161 00	161 00
52	Potter,				
53	Schuylkill,				
54	Snyder,	732.488			
55	Somerset,		9,146 00		9,146 00
56	Sullivan,		2,406 35		2,406 35
57	Susquehanna,	1,844.14	90 25		90 25
58	Tioga,		6,448 32		6,448 32
59	Union,		2,772 99		2,772 99
60	Venango,		4,534 89		4,534 89

SCHEDULE A-4—Continued.

	County.	Mileage in completed maps, printed or ready for printing.	Engineering and plioting expense.	Cost of printing maps.	Total charges.
61	Warren,	1,638.414		148 00	148 00
62	Washington,		9,567 64		9,567 64
63	Wayne,		4,286 06		4,286 06
64	Westmoreland,		3,390 15		3,390 15
65	Wyoming,	658.563		117 00	117 00
66	York,*		1,435 30		1,435 30
	Total,	32,244.945	$149,572 80	$2,834 00	$152,406 80

*Note.—Surveys complete, mileage not computed.

SCHEDULE A-5.

State Highway Fund.

Statement of Machinery and Tool Account.

June 1, 1911, to January 1, 1913.

Automobiles and Equipment,	$14,786 73
Tools Account—Austin Flood,	267 76
Miscellaneous Items,	214 19

Inventory—Maintenance Tools:

Nature:	Number:
Augers,	16
Stencil stamps,	10
Asphalt rakes,	16
Axes,	294
Bars,	393
Brushes,	62
Chisels,	34
Files,	40
Hammers,	963
Handles,	3608
Hatchets,	113
Lanterns,	128
Lantern globes,	39
Levels,	17
Mattocks,	755
Oil Cans,	14
Padlocks,	56
Picks,	2899
Pliers,	3
Plows,	22
Saws,	103
Screw drivers,	2
Scythes,	331
Shovels,	3481
Sledges,	414
Water buckets,	272
Wheel barrows,	250
Wrenches,	10
Road drags,	370
Tool boxes,	58
Drills,	13

SCHEDULE A-5—Continued.

Locks,	12	
Chain (lbs.),	118	
Forks,	112	
Tool steel (lbs.),	3084½	
Rakes,	241	
Wedges,	118	
Cant hooks,	17	
Road roller,	1	
Bits,	6	
Adzes,	15	
Hoes,	42	
Whet stones,	101	
Plow shears,	5	
Snaths,	6	
Brush hooks,	100	
Road scrapers,	24	
Trowels,	1	
Surface heater,	3	
Iron (lbs.),	82	
Road sprinkler,	1	
Edge,	1	
		$16,277 84
Total,		$31,546 52

SCHEDULE A-6.

State Highway Fund.

Statement of General District and Departmental Expense.

June 1, 1911, to January 1, 1913.

General Departmental Expense,	$7,951 39
Blue Print Room,	1,100 00
Store Room,	500 00
Signs and Sign Posts,	2,737 50
Clerical Work—District Offices,	6,666 34
Total General Expenses June 1, 1911, to January 1, 1913,	$18,955 23

SCHEDULE A-7.

Statement of Maintenance Work Carried on by County Commissioners.

June 1, 1911, to January 1, 1913.

Route.	County.	Amount paid by county.
72-246,	Allegheny,	None.
Frankstown Road,	Alleghen y,	$41,513 62
170,	Carbon,*	5,656 45
119-120.	Westmoreland,	39,655 48
Total proportion paid by counties, June 1, 1911 to January 1, 1913,		$72,396 94

*Note.—Subject to adjustment for tools and materials purchased by county.

SCHEDULE B.

State-aid Fund, Act of 1911.

Showing Contracts and Total Construction Expense.

June 1, 1911, to January 1, 1913.

County.	Township.	Application No.	Contractor.	Date of contract.	Amount.	Amt. paid Jan. 1, 1913.	Length contracted.	Surface complete.	Foundation complete.
							Feet.	%	%
Allegheny,	Versailles,	206	Bowman Bros. Co.,	Aug. 30, 1912.	$20,025 50	$0,017 33	2,510		7
Allegheny,		134-143	D. W. Challis & Son,	Sept. 5, 1912.	28,948 08	3,016 15	5,888		71
			D. W. Challis & Son,	Sept. 5, 1912.	8,910 02	4,012 71	1,700		59
Adams,	Strabane,	199	Mc. Mullen & Co.,	Aug. 30, 1912.	22,972 12	10,556 15	13,354	23	7
Berks,	Hereford,	1	Neff and Hoffman,	July 30, 1912.	30,874 45	14,354 41	49,394	57	57
Blair,	Frankstown,	116	H. G. Hinkle, Inc.,	July 24, 1912.	34,473 05	16,990 10	7,832	1	7
Bradford,	Towanda Boro.,	135	Blaisdal & Sheldon,	Sept. 6, 1912.	23,690 89		6,336	15	69
Bucks,	Doylestown,	89	J. F. Shanley Co.,	July 24, 1912.	21,776 71	5,701 58	10,115		
	Falls,	89	J. F. Shanley Co.,	July 24, 1912.	27,383 37	2,047 68			
Clinton,	Pinnacle,	188	H. Bennett & Sons,	Aug. 1, 1912.	2,118 88	1,789 46	740	100	100
Cumberland,	Dickinson,	208	H. Bennett & Sons,	Aug. 1, 1912.	30,649 80	10,455 32	10,560	37	49
	Upper Allen,	253	Dan. Meth & Sons,	Oct. 15, 1912.	24,107 80		11,400		
Clearfield,	Osceola Boro.,	18	Baker-Owen Const. Co.,	Oct. 15, 1912.	17,067 60		8,119		
Columbia,	Catawissa Boro.,	247	J. S. Caldwell,	Sept. 9, 1912.	13,128 96	5,401 50	4,840	15	45
Erie,	Mill Creek,	224	Myers Bros. Const. Co.,	Aug. 10, 1912.	40,230 30		15,840		
	Albion Boro.,	222	Putnam & Brown,	Sept. 10, 1912.	95,433 90	12,101 88	5,333	46	46
Fayette,	Lower Tyrone,	10	Wyoming Valley Construction Co.,	Sept. 6, 1912.	19,666 34	1,246 36	6,138		
Franklin,	Antrim,	221	M. Bennett & Sons,	Oct. 15, 1912.	8,974 60		2,851		
Indiana,	White,	208	H. Bennett & Sons,	Oct. 15, 1912.	21,758 40		8,384		
Jefferson,	Punxsutawney, Boro.,	208	Bennett & Shearer,	Oct. 15, 1912.	16,006 58		4,271		
Lebanon,	Bethel,	76	M. Bennett & Sons,	Aug. 1, 1912.	22,909 07	11,865 60	7,400		44

SCHEDULE B—Continued.

County.	Township.	Application No.	Contractor.	Date of contract.	Amount.	Amt. paid Jan. 1, 1913.	Length contracted.	Surface complete.	Foundation complete.
Luzerne,	Avoca Boro.,	304	Public Service Contracting Co.,	Nov. 13, 1912,	32,505 88		5,841		
Mercer,	E. Lackawannock,	173	Northwestern Const. Company,	July 18, 1912,	35,817 09	4,984 38	9,632		
McKean,	Liberty,	102	John Ryan & Company,	Sept. 6, 1912,	17,805 75	2,414 97	8,181		
Potter,	Pike,	185	E. Whalen,	Oct. 15, 1912,	13,932 38		3,900		
Potter,	Galeton Boro.,	184	E. Whalen,	Oct. 15, 1912,	21,564 37		6,285		
Washington,	South Strabane,	92	Samuel Gamble	Sept. 6, 1912,	40,230 30	3,789 99	10,196		
Allegheny,	Leet,	112	Survey preparatory to estimate,						
Armstrong,	Rural Valley,	230	Survey preparatory to estimate,						
Beaver,	Eastvale Boro.,	122	Survey preparatory to estimate,						
Beaver,	North Sewickley,	123	Survey preparatory to estimate,						
Beaver,	North Sewickley,	124	Survey preparatory to estimate,						
Beaver,	North Sewickley,	125	Survey preparatory to estimate,						
Beaver,	Greene,	106	Survey preparatory to estimate,						
Beaver,	Greene,	44	Survey preparatory to estimate,						
Beaver,	Harmony,	45	Survey preparatory to estimate,						
Beaver,	Hopewell,	201	Survey preparatory to estimate,						
Beaver,	Independence,	202	Survey preparatory to estimate,						
Beaver,	Moon,	254	Survey preparatory to estimate,						
Beaver,	Moon,	273	Survey preparatory to estimate,						
Berks,	Amity,	61	Survey preparatory to estimate,						
Berks,	Exeter,	62	Survey preparatory to estimate,						
Blair,	Logan,	232	Survey preparatory to estimate,						
Bradford,	Tuscarora,	24	Survey preparatory to estimate,						
Bucks,	Middletown,	60	Survey preparatory to estimate,						
Crawford,	Spring,	64	Bid received, contract not awarded,						
Cambria,	Barr,	3	Survey preparatory to estimate,						
Cambria,	Spangler Boro.,	170	Survey preparatory to estimate,						
Cambria,	East Conemaugh,	172	Survey preparatory to estimate,						
Cambria,	East Taylor,	191	Survey preparatory to estimate,						

Cambria,	Scalp Level Boro.,	317	Survey preparatory to estimate,						
Centre,	Snow Shoe,	19	Survey preparatory to estimate,						
Chester,	Kennett,	245	Survey preparatory to estimate,						
Chester,	Penn,	150	Survey preparatory to estimate,						
Clarion,	Beaver,	164	Survey preparatory to estimate,						
Cumberland,	S. Middletown,	103	Survey preparatory to estimate,						
Cumberland,	E. Pennsboro,	231	Survey preparatory to estimate,						
Dauphin,	Upper Paxton,	15	Survey preparatory to estimate,						
Delaware,	Haverford	291	Survey preparatory to estimate,						
Elk,		200	Survey preparatory to estimate,						
Franklin,	Hamilton,	17	Survey preparatory to estimate,						
Franklin,	Southampton,	263	Survey preparatory to estimate,						
Fayette,	Redstone,	26	Survey preparatory to estimate,						
Fayette,	Jefferson,	107	Survey preparatory to estimate,						
Fayette,	Wharton,	160	Survey preparatory to estimate,						
Fayette,	Connellsville,	219	Survey preparatory to estimate,						
Fayette,	Dunbar,	220	Bid received, contract not awarded,						
Indiana,	W. Wheatfield,	145	Survey preparatory to estimate,						
Jefferson,	Brockwayville Boro.,	228	Survey preparatory to estimate,						
Lancaster,	Manheim,	50	Survey preparatory to estimate,						
Lancaster,	Warwick,	83	Survey preparatory to estimate,						
Luzerne,	Dallas,	199	Survey preparatory to estimate,						
McKean,	Port Allegany Boro.,	163	Survey preparatory to estimate,						
Montgomery,	Limerick,	28	Survey preparatory to estimate,						
Northumberland,	Watsontown Boro.,	196	Survey preparatory to estimate,						
Susquehanna,	Great Bend,	255	Survey preparatory to estimate,						
Susquehanna,	Great Bend Boro.,	256	Survey preparatory to estimate,						
Susquehanna,	Great Bend,	257	Survey preparatory to estimate,						
Susquehanna,	Great Bend,	258	Survey preparatory to estimate,						
Tioga,	Jackson,	31	Survey preparatory to estimate,						
Warren,	Farmington,	154	Bid received, contract not awarded,						
Washington,	Union,	132	Survey preparatory to estimate,						
Westmoreland,	Rostraver,	143	Survey preparatory to estimate,						
Westmoreland,	Derry,	278	Survey preparatory to estimate,						
Westmoreland,	New Alexandria Boro.,	313	Survey preparatory to estimate,						
Westmoreland,	Allegheny,	82	Survey preparatory to estimate,						
York,	Monaghan,	314	Survey preparatory to estimate,						
Totals,					$636,527 20	$120,897 58	228,602		

SCHEDULE B—Continued.

County.	Township.	Application No.	Contractor.	Date of contract.	Grading complete.	Drainage complete.	Engineering and inspection.	Advertising.	Total construction charges.
					%	%			
Allegheny,	Versailles,	206	Bowman Bros. Co.,	Aug. 30, 1912,	57	100	$1,396 98	$189 61	$10,603 92
Allegheny,		134-148	D. W. Challis & Son,	Sept. 5, 1912,	63	100	652 44	374 83	4,643 42
			D. W. Challis & Son,	Sept. 5, 1912,	100	100	375 79	361 72	4,750 22
Adams,	Straban,	129	Thos. Meehan & Sons,	Aug. 30, 1912,	77	100	944 74	196 39	11,697 18
Berks,	Hereford,	1	Neff and Horn,	July 24, 1912,	100	100	847 80	196 28	15,970 58
Blair,	Frankstown,	116	H. G. Hinkle, Inc.,	July 30, 1912,	83	40	844 94	198 61	17,963 65
Bradford,	Towanda Boro.,	135	Blaisdell & Sheldon,	Sept. 6, 1912,	6	----	319 28	215 62	534 90
Bucks,	Bristol,	58	J. F. Shanley Co.,	July 24, 1912,	90	100	483 46	195 31	6,380 27
Bucks,	Falls,	59	J. F. Shanley Co.,	July 24, 1912,	53	50	531 97	195 31	2,774 96
Clinton,	Dunnstable,	183	M. Bennett & Sons,	Aug. 1, 1912,	72	100	201 14	200 86	2,191 46
Clinton,	Pine Creek,	98	M. Bennett & Sons,	Aug. 1, 1912,	59	100	705 23	197 65	11,418 20
Cumberland,	Upper Allen,	259	Thos. Meehan & Sons,	Oct. 15, 1912,	----	----	143 04	189 08	332 12
Clearfield,	Osceola Boro.,	18	Baker-Owen Const. Co.,	Oct. 15, 1912,	----	----	47 92	190 86	238 78
Columbia,	Catawissa Boro.,	247	J. S. Caldwell,	Sept. 9, 1912,	44	----	748 12	185 12	6,334 74
Erie,	Mill Creek,	14	Mayer Bros. Const. Co.,	Sept. 19, 1912,	----	----	399 34	167 04	566 38
Erie,	Albion Boro.,	222	Putnam & Brown,	Aug. 6, 1912,	49	100	846 81	173 32	13,132 01
Fayette,	Lower Tyrone,	10	Wyoming Valley Construction Co.,	Sept. 6, 1912,	9	90	562 97	168 30	1,977 63
Indiana,	Indiana Boro.,	321	H. Bennett & Sons,	Oct. 15, 1912,	----	----	120 72	181 36	302 08
Indiana,	White,	268	H. Bennett & Sons,	Oct. 15, 1912,	----	----	190 44	184 18	374 62
Jefferson,	Punxsutawney, Boro.,	306	Bennett & Shearer,	Oct. 15, 1912,	----	----	198 18	199 21	397 39
Lebanon,	Bethel,	76	M. Bennett & Sons,	Aug. 1, 1912,	83	95	610 76	187 82	12,964 27
Luzerne,	Avoca Boro.,	304	Public Service Contracting Co.,	Nov. 13, 1912,	----	----	32 26	204 05	236 31
Mercer,	E. Lackawannock,	173	Northwestern Const. Company,	July 18, 1912,	56	100	611 84	206 72	5,802 94
McKean,	Liberty,	162	John Ryan & Company,	Sept. 6, 1912,	42	100	506 17	164 79	3,085 93
Potter,	Pike,	185	E. Whalen,	Oct. 15, 1912,	----	----	22 15	353 23	375 38
Potter,	Galeton Boro.,	184	E. Whalen,	Oct. 15, 1912,	----	----	15 49	383 07	398 56
Washington,	South Strabane,	92	Samuel Gamble,	Sept. 6, 1912.	47	66	649 20	157 11	4,596 30

54

Allegheny,	Leet,	112	Survey preparatory to estimate,	----	----	----	9 69	----	9 69
Armstrong,	Rural Valley,	230	Survey preparatory to estimate,	----	----	----	35 49	----	35 49
Beaver,	Eastvale Boro.,	122	Survey preparatory to estimate,	----	----	----	95 58	----	95 58
Beaver,	North Sewickley,	123	Survey preparatory to estimate,	----	----	----	266 43	----	266 43
Beaver,	North Sewickley,	124	Survey preparatory to estimate,	----	----	----	235 32	----	235 32
Beaver,	North Sewickley,	125	Survey preparatory to estimate,	----	----	----	153 33	----	153 33
Beaver,	Greene,	106	Survey preparatory to estimate,	----	----	----	24 59	----	24 59
Beaver,	Greene,	44	Survey preparatory to estimate,	----	----	----	96 26	----	96 26
Beaver,	Harmony,	45	Survey preparatory to estimate,	----	----	----	308 18	----	308 18
Beaver,	Hopewell,	201	Survey preparatory to estimate,	----	----	----	226 63	----	226 63
Beaver,	Independence,	202	Survey preparatory to estimate,	----	----	----	94 61	----	94 61
Beaver,	Moon,	254	Survey preparatory to estimate,	----	----	----	379 74	----	379 74
Beaver,	Moon,	273	Survey preparatory to estimate,	----	----	----	139 48	----	139 48
Berks,	Amity,	61	Survey preparatory to estimate,	----	----	----	83 23	----	83 23
Berks,	Exeter,	62	Survey preparatory to estimate,	----	----	----	86 57	----	86 57
Blair,	Logan,	232	Survey preparatory to estimate,	----	----	----	104 13	----	104 13
Bradford,	Tuscarora,	24	Survey preparatory to estimate,	----	----	----	6 67	----	6 67
Bucks,	Middletown,	60	Survey preparatory to estimate,	----	----	----	100 71	----	100 71
Crawford,	Spring,	64	Bid received, contract not awarded,	----	----	----	171 81	$244 70	416 51
Cambria,	Barr,	3	Survey preparatory to estimate,	----	----	----	291 21	----	291 21
Cambria,	Spangler Boro.,	170	Survey preparatory to estimate,	----	----	----	130 10	----	130 10
Cambria,	East Conemaugh,	172	Survey preparatory to estimate,	----	----	----	104 98	----	104 98
Cambria,	East Taylor,	191	Survey preparatory to estimate,	----	----	----	328 76	----	328 76
Cambria,	Scalp Level Boro.,	317	Survey preparatory to estimate,	----	----	----	131 26	----	131 26
Centre,	Snow Shoe,	19	Survey preparatory to estimate,	----	----	----	206 33	----	206 33
Chester,	Kennett,	245	Survey preparatory to estimate,	----	----	----	482 38	----	482 38
Chester,	Penn,	150	Survey preparatory to estimate,	----	----	----	140 65	----	140 65
Clarion,	Beaver,	164	Survey preparatory to estimate,	----	----	----	580 34	----	580 34
Cumberland,	S. Middleton,	108	Survey preparatory to estimate,	----	----	----	150 33	----	150 33
Cumberland,	E. Pennsboro,	231	Survey preparatory to estimate,	----	----	----	310 30	----	310 30
Dauphin,	Upper Paxton,	15	Survey preparatory to estimate,	----	----	----	95 31	----	95 31
Delaware,	Haverford	291	Survey preparatory to estimate,	----	----	----	204 72	----	204 72
Elk,		200	Survey preparatory to estimate,	----	----	----	185 32	----	185 32
Franklin,	Hamilton,	17	Survey preparatory to estimate,	----	----	----	236 01	----	236 01
Franklin,	Southampton,	263	Survey preparatory to estimate,	----	----	----	93 35	----	93 35
Fayette,	Redstone,	26	Survey preparatory to estimate,	----	----	----	111 34	----	111 34
Fayette,	Jefferson,	107	Survey preparatory to estimate,	----	----	----	326 59	----	326 59
Fayette,	Wharton,	160	Survey preparatory to estimate,	----	----	----	56 61	----	56 61
Fayette,	Connellsville,	219	Survey preparatory to estimate,	----	----	----	13 01	----	13 01
Fayette,	Dunbar,	220	Bid received, contract not awarded,	----	----	----	13 01	253 78	266 79
Indiana,	W. Wheatfield,	145	Survey preparatory to estimate,	----	----	----	652 47	----	652 47
Jefferson,	Brockwayville Boro.,	228	Survey preparatory to estimate,	----	----	----	109 02	----	109 02
Lancaster,	Manheim,	80	Survey preparatory to estimate,	----	----	----	56 66	----	56 66
Lancaster,	Warwick,	83	Survey preparatory to estimate,	----	----	----	393 46	----	393 46
Luzerne,	Dallas,	199	Survey preparatory to estimate,	----	----	----	418 92	----	418 92
McKean,	Port Allegany Boro.,	169	Survey preparatory to estimate,	----	----	----	102 24	----	102 24
Montgomery,	Limerick,	28	Survey preparatory to estimate,	----	----	----	368 91	----	368 91

55

SCHEDULE B—Continued.

County.	Township.	Application No.	Contractor.	Date of contract.	Grading complete.	Drainage complete.	Engineering and inspection.	Advertising.	Total construction charges.
Northumberland,	Watsontown Boro.,	196	Survey preparatory to estimate,				89 79		89 79
Susquehanna,	Great Bend,	255	Survey preparatory to estimate,				138 10		138 10
Susquehanna,	Great Bend Boro.,	256	Survey preparatory to estimate,				112 42		112 42
Susquehanna,	Great Bend,	257	Survey preparatory to estimate,				60 85		60 85
Susquehanna,	Great Bend,	258	Survey preparatory to estimate,				105 15		105 15
Susquehanna,	Great Bend,	259	Survey preparatory to estimate,				117 91		117 91
Tioga,	Jackson,	31	Survey preparatory to estimate,				49 17	190 38	239 55
Warren,	Farmington,	154	Bid received, contract not awarded,				58 74		58 74
Washington,	Union,	132	Survey preparatory to estimate,				668 26		668 26
Westmoreland,	Rostraver,	143	Survey preparatory to estimate,				394 48		394 48
Westmoreland,	Derry,	278	Survey preparatory to estimate,				52 70		52 70
Westmoreland,	New Alexandria Boro.,	318	Survey preparatory to estimate,				287 89		287 89
Westmoreland,	Allegheny,	82	Survey preparatory to estimate,				45 00		45 00
York,	Monaghan,	314	Survey preparatory to estimate,						
Totals,							$24,158 78	$6,506 21	$151,592 37

SCHEDULE C.

State-aid Fund, Act 1907-1909.

Showing Contracts and Construction Expenses.

June 1, 1911, to January 1, 1913.

County.	Township	Application No.	Contractor.	Date of Contract.	Amount.	Payments previous to June 1, 1911.	Amount paid Jan. 1, 1913.	Length contracted.
								Feet.
Adams,	Union,	2037	W. B. Johnson,	Nov. 13, 1909,	$13,252 08	$9,300 00	$3,952 08	6,025
Armstrong,	South Buffalo,	1715	John Schaffner,	Oct. 27, 1910,	35,651 45	2,100 00	30,306 20	11,588
Bedford,	South Woodbury,	1109	H. C. Hinkle, Inc.,	Nov. 23, 1910,	8,833 43	6,700 00	2,133 43	Repair.
Bedford,	South Woodbury,	1169	H. C. Hinkle, Inc.,	Nov. 23, 1910,	3,940 71	2,700 00	1,240 71	Repair.
Bedford,	East Ct. Clair,	2449	Saupp & Herr Contracting Co.,	Aug. 12, 1911,	9,353 33		8,403 02	5,309
Berks,	Washington,	2053	Wm. McClellan,	Sept. 28, 1910,	16,410 19	3,900 00	12,510 19	7,310
Berks,	Tilden,	1444	Ambler-Davis Co.,	June 3, 1910,	60,187 19	34,100 00	26,087 19	23,977
Blair,	Blair,	724	H. G. Hinkle, Inc.,	Aug. 18, 1911,	3,593 00		3,593 00	1,548
Centre,	Bellefonte Boro.,	1587	R. B. Taylor,	April 14, 1910,	10,742 28	5,500 00	5,242 28	6,962
Cambria,	Richland,	1990	Ridge Bros. Co.,	May 17, 1910,	13,777 02	11,400 00	2,377 02	4,917
Clarion,	Richland,	2144	Fred. Robinson,	Oct. 19, 1910,	49,265 49		37,269 06	14,742
Chester,	Penn,	150	F. W. Bornemann and Company,	Dec. 31, 1911,	15,119 10		17,965 22	8,460
Clearfield,	Decatur,	1851	Baker-Owen Const. Co.,	June 11, 1912,	22,035 80		17,381 10	5,100
Chester,	Lower Oxford,	627	Wm. C. Evans,	June 13, 1912,	41,981 95		42,283 04	14,071
Chester,	East Nottingham,	2333	Wm. C. Evans,	Sept. 5, 1912,	18,394 55		12,291 35	6,731
Cumberland,	East Pennsboro,	2007	Stucker Bros. Construction Co.,	July 9, 1909,	16,072 55		15,872 55	7,840
Cumberland,	East Pennsboro,	2007	Stucker Bros. Construction Co.,	Aug. 18, 1909,	20,581 05	19,900 00	681 05	
Clearfield,	Decatur,	1474	Conestoga Cont. Co.	June 15, 1909,	37,240 57	33,446 33	3,794 24	14,175
Delaware,	Thornbury,	259-981	Corcoran Const. Co.,	July 2, 1912	10,336 87		4,600 22	4,511.4
Elk,	Ridgway,	2236	W. H. Lyons,	April 27, 1911,	6,870 27		6,870 27	2,963
Erie,	Conneaut,	59-168 2125	Vetter Const. Co.,	May 24, 1910,	22,087 52	7,000 00	11,092 42	10,557
Franklin,	Metal,	1597	R. B. Taylor,	Dec. 10, 1909,	12,004 00	8,700 00	3,304 00	7,900

SCHEDULE C—Continued.

County.	Township	Application No.	Contractor.	Date of Contract.	Amount.	Payments previous to June 1, 1911.	Amount paid Jan. 1, 1913.	Length contracted.
								Feet.
Fulton,	Bethel,	108	Samuel S. Stouffer,	Aug. 16, 1909,	29,137 65	23,700 00	5,437 65	16,026
Fayette,	South Union,	819	James Nixon,	July 7, 1910,	16,216 96	14,500 00	1,716 96	6,638
Fayette,	South Union,	819	James Nixon,	Aug. 31, 1911,	7,758 89		7,029 29	
Fayette,	Montgomery,	1594	Stucker Bros. Construction Co.,	June 7, 1910,	20,108 39	19,808 39	300 00	12,100
Franklin,	Tionesta,	586	Anderton & Putnam,	Sept. 22, 1909,	6,799 40	6,100 00	699 40	2,695
Forest,	Wharton,	2406-2410	J. C. McSpadden,	Aug. 31, 1911,	24,496 39		20,487 37	9,364.2
Fayette,	Franklin,	75	Fred. Robinson,	Aug. 5, 1912,	45,915 34		9,062 96	14,335
Greene,	Whiteley Supplemental,		Fred. Robinson,	Aug. 5, 1912,	3,347 85			1,100
Greene,	Huntingdon Boro.,	2045	Juniata Paving Co.,	Sept. 1, 1909,	12,191 05	9,650 00	1,176 33	4,490
Huntingdon,	Indiana,	1126	H. Bennett & Sons,	Oct. 19, 1910,	20,661 73	2,800 00	17,861 73	8,888
Indiana,	Delaware,	1791	H. C. Hinkle, Inc.,	May 29, 1911,	8,594 95		7,728 30	4,457
Juniata,	Mifflin,	814	Juniata Paving Co.,	Oct. 5, 1909,	29,193 80	15,650 00	13,543 80	10,884
Lycoming,	Salisbury,	1485	Juniata Paving Co.,	Nov. 10, 1910,	32,506 44	2,800 00	26,856 09	10,681
Lancaster,	Salladasburg Boro.,	815	Juniata Paving Co.,	Oct. 3, 1911,	12,897 69		11,575 15	5,048
Lycoming,	North Lebanon,	1366	Juniata Paving Co.,	May 14, 1913,	13,290 85		12,025 85	7,415
Lebanon,	Dalton Boro.,	309	C. T. Eastburn,	Aug. 31, 1911,	14,282 55		12,995 25	5,452
Lackawanna,	South Whitehall,	2301	Geo. H. Hardner,	Aug. 16, 1910,	16,275 25	6,600 00	9,675 25	6,550
Lehigh,	South Whitehall,	2301	Geo. H. Hardner,	Aug. 31, 1911,	9,607 73		8,744 71	4,515
Lehigh,	E. Stroudsburg,	957	E. P. Arbogast,	Aug. 30, 1912,	4,168 00			2,625
Monroe,	Stroudsburg Boro.,	1298	E. P. Arbogast,	Aug. 30, 1912,	9,885 43		6,087 24	4,759
Monroe,	Lower Pottsgrove,	701	Ambler-Davis Co.,	Aug. 15, 1911,	10,335 80		10,335 80	5,981
Montgomery,	Danville Boro.,	2352	W. H. Lyons,	Nov. 10, 1910,	3,305 00	900 00	2,104 85	1,800
Montour,	Findley,	431	South Shore Construction Co.,	Oct. 2, 1908,	72,220 45	45,013 49	26,015 69	29,957
Mercer,	Delaware,	734	Fiss & Christian,	May 21, 1912,	43,059 94		18,204 07	10,426
Northumberland,	Portage,	942	John Ryan & Co.,	Sept. 13, 1909,	25,219 72	22,100 00	3,119 72	13,797
Potter,	Lebanon,	961	Herrick Const. Co.,	June 14, 1909,	11,858 68	10,629 68	1,224 00	7,700
Pike,	Austin Boro.,	1402-1436	W. H. Lyons,	Aug. 17, 1911,	16,867 49		14,253 70	9,004
Potter,	Monroe,	606	H. G. Hinkle, Inc.,	Aug. 11, 1910,	24,662 01	12,400 00	12,262 01	9,656
Snyder,	Somerset,	1685	J. C. McSpadden,	Sept. 17, 1909,	43,263 73	29,900 00	13,363 73	19,610
Somerset,	Somerset Boro.,	2261	J. C. McSpadden,	Sept. 17, 1909,	7,656 81	6,800 00	855 81	3,103
Susquehanna,	Brooklyn,	29	Wm. C. Evans,	June, 28, 1910,	45,543 53	14,500 00	51,043 55	23,728
Snyder,	Selinsgrove Boro.,	2342	H. G. Hinkle, Inc.,	Aug. 17, 1911,	17,899 84		16,098 74	6,244
Sullivan,	Colley,	1403	E. Whalen,	May 14, 1912,	24,332 30		22,012 09	10,380
Schuylkill,	Mt. Carbon Boro.,	2390	Juniata Paving Co.,	May 29, 1911,	7,029 05		6,302 98	1,861
Somerset,	Somerset,	737	J. E. Francis,	Sept. 25, 1907,	7,568 50	7,368 50	200 00	2,000
Tioga,	Wellsboro Boro.,	473-2215	E. Whalen,	Aug. 31, 1911,	36,332 44		32,835 54	9,137
Venango,	Sugarcreek,	291	Northwestern Construction Co.,	July 10, 1912,	62,386 43		31,571 37	19,915
Wyoming,	Braintrim,	1797	T. S. Newman,	May 29, 1912,	13,551 70		13,551 70	5,717
Westmoreland,	Hempfield,	1894	Chas. T. Eastburn,	Sept. 15, 1911,	23,374 99		20,338 88	8,809
Washington,	Carroll,	2154	Donald McNeil,	Jan. 4, 1911,	88,149 02	17,317 67	52,347 90	15,000
Washington,	Union,	2155	Donald McNeil,	Sept. 19, 1911,	6,726 75		2,029 95	1,369
York,	Springfield,	2337	Reilly & Fritz,	May 21, 1912,	40,921 41		24,646 14	12,951
York,	Delta Boro.,	2339	Thomas Meehan & Sons	Sept. 5, 1910,	17,809 07	3,500 00	14,309 07	6,289
York,	Shrewsbury,	2338	Commonwealth Construction Co.,	June 28, 1910,	27,273 18	7,600 00	19,673 18	7,065
York,	Glen Rock Boro.,	2339	Continental Public Works,	Aug. 17, 1911,	17,423 24		17,423 24	3,708
York,	Fawn,	2450	Thomas Meehan & Sons,	May 17, 1912,	19,519 00		11,349 37	5,260
York,	Fawn,	843	Hammond & Sloane, Inc.,	May 6, 1909,	55,452 00	53,952 00	1,500 00	27,054
Jefferson,	Pinecreek,		Inspection charges only,	Completed prior to June 1, 1911,				
Beaver,	Chippewa,		Inspection charges only,					
Montgomery,	Springfield,		Advertising charges only,	Completed prior to June 1, 1911,				
Armstrong,	Buffalo,		Damages, Three-fourths paid by State.					
Bradford,	Wysox,			Completed prior to June 1, 1911,			352 23	
Allegheny,	Moon,		Damages, Three-fourths paid by State.				215 55	
Adams,	Butler,	2404						
Bradford,	Towanda Boro.,	1801						
Butler,	Summit,	1508						
Crawford,	West Mead,	1216						
Cumberland,	Upper Allen,	1983						
Columbia,	Scott,	1036						
Elk,	St. Marys Boro.,	1249						
Erie,	Millcreek,	874						
Fayette,	Lower Tyrone,	743						
Forest,	Tionesta Boro.,	586						
Forest,	Tionesta Boro.,	879						
Jefferson,	Young,	1177						
Lancaster,	West Earl,	940						
Mifflin,	Armagh,	2007						
Northumberland,	Mt. Carmel,	2042						
Northumberland,	Coal,	1140						
Schuylkill,	West Brunswick,	2408						
Somerset,	Lincoln,	1743						
Warren,	Pine Grove,	2230						
Warren,	Pine Grove,	2241						
York,	Monaghan,	1709						
Totals,					$1,546,857 90	$478,136 06	$862,324 99	577,360.6

SCHEDULE C—Continued.

County.	Township.	Application No.	Contractor.	Date of contract.	Surface complete.	Grading complete.	Foundation complete.	Drainage complete.	Engineering and inspection.	Advertising.	Construction Total charges.
					%	%	%	%			
Adams,	Union,	2037	W. B. Johnson,	Nov. 13, 1909,	*	*	*	*	$58 19		$4,010 27
Armstrong,	South Buffalo,	1715	John Schaffner,	Oct. 27, 1910,	*	*	*	*	1,692 94		31,999 14
Bedford,	South Woodbury,	1169	H. G. Hinkle, Inc.,	Nov. 23, 1910,	*	*	*	*	50 00		2,133 43
Bedford,	South Woodbury,	1169	H. G. Hinkle, Inc.,	Nov. 23, 1910,	*	*	*	*	71 51		1,312 22
Bedford,	East St. Clair,	2449	Saupp & Herr Contracting Co.,	Aug. 12, 1911,	*	*	*	*	483 09	$8 40	8,935 41
Berks,	Washington,	2053	Wm. McClellan,	Sept. 28, 1910,	*	*	*	*	653 02		13,163 81
Berks,	Tilden,	1444	Ambler-Davis Co.,	June 2, 1910,	*	*	*	*	502 67		26,589 86
Blair,	Blair,	724	H. G. Hinkle, Inc.,	Aug. 18, 1911,	*	*	*	*	116 13		3,709 73
Centre,	Bellefonte Boro.,	1587	R. B. Taylor,	April 14, 1910,	*	*	*	*	285 52		5,527 80
Cambria,	Richland,	1500	Ridge Bros. Co.,	May 17, 1910,					63 27		2,440 29
Clarion,	Richland,	2144	Fred. Robinson,	Oct. 19, 1910,							
Chester,	Penn,	150	F. W. Bornemann and Co.,	Dec. 31, 1911,	36	96	24	60	3,083 36		40,333 02
Clearfield,	Decatur,	1851	Baker-Owen Const. Co.,	June 11, 1912,	77	100	100	100	504 75		18,469 97
Chester,	Lower Oxford,	627	Wm. C. Evans,	June 13, 1912,	*	*	*	*	785 59		18,109 69
Chester,	East Nottingham,	2383	Wm. C. Evans,	Sept. 5, 1912,	*	*	*	*	580 31		42,862 25
Cumberland,	East Pennsboro,	2007	Stucker Bros. Construction Co.,	July 9, 1909,	*	*	*	*	174 31		12,465 66
Cumberland,	East Pennsboro,	2007		Aug. 18, 1909,	*	*	*	*	1,165 35	18 85	
Clearfield,	Decatur,	1414	Conestoga Cont. Co.,	June 15, 1909,	*	*	*	*			17,737 80
Delaware,	Thornbury,	259–981	Corcoran Const. Co.,	July 2, 1912	*	*	*	*			3,794 24
Elk,	Ridgway,	2336	W. H. Lyons,	April 27, 1911,	43	95	100	100	387 19		4,987 41
Erie,	Conneaut,	50–168	Vetter Const. Co.,	May 24, 1910,	*	*	*	*	402 94		7,573 21
		2125			*	*	*	*	1,437 64		12,440 06
Franklin,	Metal,	1597	R. B. Taylor,	Dec. 10, 1909,	*	*	*	*	318 57		3,622 57
Fulton,	Bethel,	108	Samuel S. Stouffer,	Aug. 16, 1909,	*	*	*	*	99 73		5,567 38
Fayette,	South Union,	819	James Nixon,	July 7, 1910,	*	*	*	*	559 08		2,276 04
Fayette,	South Union,	819	James Nixon,	Aug. 31, 1911,	*	*	*	*			7,029 29
Franklin,	Montgomery,	1594	Stucker Bros. Construction Co.,	June 7, 1909,	*	*	*	*			300 00
Forest,	Tionesta,	586	Anderton Putnam,	Sept. 22, 1909,	*	*	*	*			699 40

*Complete.

Fayette,	Wharton,	2406–2410	J. C. McSpadden,	Aug. 31, 1911,	81	91	83	27	1,474 70		21,962 07
Greene,	Franklin,	75	Fred. Robinson,	Aug. 5, 1912,	22		22		1,093 89		10,125 85
Greene,	Whiteley Supplemental,		Fred. Robinson,	Aug. 5, 1912,							
Huntingdon,	Huntingdon Boro.,	2045	Juniata Paving Co.,	Sept. 1, 1909,	81	100	95	100	382 66		1,558 99
Indiana,	Indiana Boro.,	1125	M. Bennett & Sons,	Oct. 19, 1910,	*	*	*	*	543 95		18,405 68
Juniata,	Delaware,	1791	H. G. Hinkle, Inc.,	May 29, 1911,	*	*	*	*	704 61	13 68	8,446 59
Lycoming,	Mifflin,	814	Juniata Paving Co.,	Oct. 5, 1909,	*	*	*	*	207 70		13,751 50
Lancaster,	Salisbury,	1485	Juniata Paving Co.,	Nov. 10, 1910,	*	*	*	*	1,415 29		28,271 38
Lycoming,	Salladasburg Boro.,	815	Juniata Paving Co.,	Oct. 19, 1911,	*	*	*	*	440 34		12,015 49
Lebanon,	North Lebanon,	1366	Juniata Paving Co.,	May 14, 1912,	*	*	*	*	433 68		13,059 53
Lackawanna,	Dalton Boro.,	309	C. T. Eastburn,	ug. 31, 1911,	*	*	*	*	328 83		13,194 08
Lehigh,	South Whitehall,	2301	Geo. H. Hardner,	Aug. 16, 1910,	*	*	*	*	1,166 90		
Lehigh,	South Whitehall,	2301	Geo. H. Hardner,	ug. 31, 1911,	*	*	*	*			19,586 86
Monroe,	E. Stroudsburg,	957	E. P. Abrogast,	Aug. 30, 1912,	*	*	*	*	343 09		343 09
Monroe,	Stroudsburg Boro.,	1298	E. P. Abrogast,	Aug. 30, 1912,	55	75	56	100	312 08		6,309 32
Montgomery,	Lower Pottsgrove,	701	Ambler-Davis Co.,	Aug. 15, 1911,	*	*	*	*	466 01	4 90	19,306 71
Montour,	Danville Boro.,	2332	W. H. Lyons,	Nov. 10, 1910,	*	*	*	*	60 80		2,174 65
Mercer,	Findley,	491	South Shore Construction Co.,	Oct. 2, 1908,	*	*	*	*	743 45		26,709 14
Northumberland,	Delaware,	784	Piso & Christiano,	May 21, 1912,	42	88	88	30	1,006 16	7 40	19,217 63
Potter,	Portage,	942	John Ryan & Co.,	Sept. 19, 1909,	*	*	*	*			3,110 72
Pike,	Lebanon,	961	Herrick Const. Co.,	June 14, 1909,	*	*	*	*			1,224 00
Potter,	Austin Boro.,	1402–1436	W. H. Lyons,	Aug. 17, 1911,	92	100	100	50	851 20		15,104 90
Snyder,	Monroe,	603	H. G. Hinkle, Inc.,	Aug. 11, 1910,	*	*	*	*	471 50		12,733 51
Somerset,	Somerset,	1085	J. C. McSpadden,	Sept. 17, 1909,	*	*	*	*			13,383 73
Somerset,	Somerset Boro,	2261	J. C. McSpadden,	Sept. 17, 1909,	*	*	*	*	335 11		1,240 92
Susquehanna,	Brooklyn,	29	Wm. C. Evans,	June, 28, 1910,	*	*	*	*	873 60		31,917 13
Snyder,	Selinsgrove Boro.,	2342	H. G. Hinkle, Inc.,	Aug. 17, 1911,	*	*	*	*	754 32	12 00	16,866 06
Sullivan,	Colley,	1405	E. Whalen,	May 14, 1912,	*	*	*	*	672 02		23,084 11
Schuylkill,	Mt. Carbon Boro.,	2390	Juniata Paving Co.,	May 29, 1911,	*	*	*	*	759 21	8 50	7,130 69
Somerset,	Somerset,	737	J. E. Francis,	Sept. 25, 1907,	*	*	*	*			200 00
Tioga,	Wellsboro Boro.,	473–2215	E. Whalen,	Aug. 31, 1911,	*	*	*	*	688 32		33,523 86
Venango,	Sugarcreek,	291	Northwestern Construction Co.,	July 10, 1912,	57	68	57	84	1,840 20		33,411 57
Wyoming,	Braintrim,	1797	T. S. Newman,	May 29, 1912,	*	*	*	*	425 45		13,977 15
Westmoreland,	Hempfield,	1824	Chas. T. Eastburn,	Sept. 15, 1911,	*	*	*	*	1,108 80		21,447 06
Washington,	Caroll,	2154	Donald McNell,	Jan. 4, 1911,	31	98	52	50	4,767 84		57,115 74
Washington,	Union,	2155	Donald McNell,	Sept. 19, 1911,		88		100	682 81		2,602 76
York,	Springfield,	2337	Reilly & Fritz,	May 21, 1912,	67	89	100	100	797 18		25,413 32
York,	Delta Boro.,	2330	Thomas Meehan and Sons,	Sept. 8 1910,	*	*	*	*	776 13		15,085 20
York,	Shrewsbury,	2338	Commonwealth Const. Co.,	June 28, 1910,	*	*	*	*	769 70		20,442 88
York,	Glen Rock Boro.,	2339	Continental Public Works,	Aug. 17, 1911,	*	*	*	*	806 44		18,229 68
York,	Fawn,	2459	Thomas Meehan and Sons,	May 17, 1912	*	*	*	*	244 47		11,586 84
York,	Fawn,	343	Hammond & Sloane, Inc.,	May 6, 1909,	*	*	*	*			1,500 00
Jefferson,	Pinecreek,		Inspection charges only,	Completed prior to June 1, 1911,					267 21		267 21
Beaver,	Chippewa,		Inspection charges only,						40 18		40 18
Montgomery,	Springfield,		Advertising charges only,	Completed prior to June 1, 1911,						4 90	4 90
Armstrong,	Buffalo,		Damages; three-fourths paid by State.								352 23
Bradford,	Wysox,		Damages; three-fourths paid by State.	Completed prior to June 1, 1911,							215 55

SCHEDULE C—Continued.

County.	Township.	Application No.	Contractor.	Date of contract.	Surface complete.	Grading complete.	Foundation complete.	Drainage complete.	Engineering and inspection.	Advertising.	Construction Total charges.
					%	%	%	%			
Allegheny,	Moon,								239 80		239 80
Adams,	Butler,	2404							157 87		157 87
Bradford,	Towanda Boro.,	1801							14 58		14 58
Butler,	Summit,	1508							33 00		33 00
Crawford,	West Mead,	1216							3 01		3 01
Cumberland,	Upper Allen,	1083							96 40		96 40
Columbia,	Scott,	1096							51 70		51 70
Elk,	St. Marys Boro.,	1249							7 76		7 76
Erie,	Millcreek,	874							3 06		3 06
Fayette,	Lower Tyrone,	743							32 80		32 80
Forest,	Tionesta Boro.,	580							11 93		11 93
Forest,	Tionesta Boro.,	579							85 20		85 20
Jefferson,	Young,	1177							55 20		55 20
Lancaster,	West Earl,	940							230 55		230 55
Mifflin,	Armagh,	2057								7 25	7 25
Northumberland,	Mt. Carmel,	2042							148 47		148 47
Northumberland,	Coal,	1140							81 19		81 19
Schuylkill,	West Brunswick,	2408							42 31		42 31
Somerset,	Lincoln,	1748							4 61		4 61
Warren,	Pine Grove,	2320							4 61		4 61
Warren,	Pine Grove,	2241								17 60	17 60
York,	Monaghan,	1769							20 70		20 70
Totals,									$43,804 55	$103 48	$905,233 02

*Complete.

SCHEDULE D.

National or Cumberland Road Fund Appropriation.
Showing Contracts and Construction Cost.
June 1, 1911, to January 1, 1913.

County.	Section.	Contractor.	Date of contract.	Amount of contract.	Amount paid Jan. 1, 1913.	Length contracted in feet.	Surfacing complete.
						Feet.	%
Washington,		Hallam Construction Co.,	July 5, 1911,	$1,384 50	$1,384 50	‡	
Washington,		Hallam Construction Co.,	July 5, 1911,	1,445 00	1,445 00	‡	
Washington,		Hallam Construction Co.,	July 5, 1911,	1,451 90	1,451 90	‡	
Somerset,	8	Neelan and Daly,	Oct. 10, 1910,	*911 60	†911 60	5,000	
Fayette,	7	Neelan and Daly,	Oct. 10, 1910,	*9,122 59	†9,122 59	5,500	
Fayette,	6-A	W. C. McCormick,	Oct. 19, 1910,	*645 54	†645 54	1,076	
Fayette,	1	Charles T. Eastburn,	Oct. 10, 1910,	*21,616 72	†21,616 72	11,300	
Fayette,	9	Charles T. Eastburn,	Oct. 5, 1911,	41,372 72	38,654 77	15,800	94
Fayette,	12	Road and Patton,	Nov. 13, 1911,	67,458 00	30,032 11	26,098	33
Somerset,	10	Road and Patton,	Nov. 13, 1911,	46,449 78	25,305 69	21,147	53
Washington,	17	R. B. Taylor,	June 11, 1912,	96,339 78	15,389 47	24,098.5	
Fayette,	6	Engineering work,					
Fayette,	9	Engineering work,					
Fayette,	11	Engineering work,					
Fayette,	13	Engineering work,					
Fayette,	14	Engineering work,					
Washington,	15	Engineering work,					
	15-A	Engineering work,					
	15-B	Engineering and inspection,					
Washington,	16	Engineering and inspection,					
Washington,	17	Engineering,					
Washington,	18	Engineering,					
Fayette,	19	Engineering,					
Totals,				$290,195 14	$140,510 90	111,924.5	

*Note.—Unpaid balance June 1, 1911. †Balance. ‡Bridge. ‖Mountain work.

SCHEDULE D—Continued.

County.	Section.	Contractor.	Date of contract.	Grading complete.	Foundation complete.	Drainage complete.	Engineering and Inspection.	Advertising cost.	Total construction expense June 1, 1911 to January 1, 1913.
Washington,	1	Hallam Construction Co.,	July 5, 1911,	*			$33 05		$1,417 55
Washington,	2	Hallam Construction Co.,	July 5, 1911,	*			33 05		1,479 05
Washington,	3	Hallam Construction Co.,	July 6, 1911,	*					1,603 70
Somerset,	4	Nealon and Daly,	Nov. 10, 1910,	*			9 10		9,085 42
Somerset,	5	Nealon and Daly,	Oct. 10, 1910,	*			262 83		609 44
Fayette,	6-A	W. C. McCormick,	Oct. 19, 1910,	*			14 90		699 50
Fayette,	6	Charles T. Eastburn,	Oct. 19, 1910,	*	36	100	1,564 37	$24 12	40,243 17
Fayette,	7	Charles T. Eastburn,	Oct. 19, 1910,	*	100	100	2,410 21	61 15	32,593 47
Fayette,	8	Road and Patton,	Nov. 13, 1911,	*	69	80	1,865 65	24 13	27,297 87
Somerset,	12	Road and Patton,	Nov. 13, 1911,	*	4	100	1,865 65	224 15	17,477 85
Washington,	10	R. B. Taylor,	June 11, 1912,	*			1 50		1 50
Washington,	17	Engineering work,		*			150 20		150 20
Fayette,	9	Engineering work,		*			424 34		424 34
Fayette,	11	Engineering work,		*			424 34		424 34
Fayette,	13	Engineering work,		*			236 65		236 65
Fayette,	14	Engineering work,		*			166 94		166 94
Fayette,	15	Engineering work,		*			156 94		156 94
	15-A	Engineering and inspection,		*			1,632 71		1,632 71
Washington,	16	Engineering and inspection,		*			1,274 39		1,274 39
Washington,	17	Engineering,		*			194 04		194 04
Washington,	18	Engineering,		*			192 01		192 01
Fayette,	19	Engineering,		*			66 56		66 56
Totals,							$13,389 41	$354 15	$160,254 49

*Note.—Unpaid balance June 1, 1911. †Balance. ‡Bridge. §Complete. ‖Mountain work.

SCHEDULE E.

EXPERIMENTS AND TESTS FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ... $50,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Asphalt for Experimental Work, ...	$8,598 56	
Testing Laboratories—Testing samples, ...	3,041 60	
Salaries—Inspectors:		
E. J. Lewis—7½ months at $150.00—$1,125		
T. J. Keane—4 months at $150.00— 600		
Traveling Expense—Inspectors, ...	1,725 00	
Experimental Roads, Cost, ...	1,819 15	
Advertising Expense, ...	8,862 29	
	230 85	
Total charges June 1, 1911, to January 1, 1913, ...		$24,276 95
*Balance, Experiments and Tests Fund, January 1, 1913, ...		25,723 05

*NOTE:—Balance shown above subject to accrued charges on estimates not yet filed, and cost of contemplated experimental work. When deducted, balance will be practically exhausted.

SCHEDULE F.

Traveling Expense Fund.

Showing Classification of all Expenses.

June 1, 1911, to January 1, 1913.

June 1, 1911—Total Appropriation, ... $88,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Expense—Commissioner, Deputies, Chief and Bridge Engineer, ...	$12,592 18	
Assistant Engineers, ...	24,285 35	
Superintendents, ...	14,703 51	
Purchase automobiles and equipment cost, ...	29,537 81	
Inventory automobile supplies, ...	2,678 77	
Total charges June 1, 1911, to January 1, 1913, ...	$83,797 62	$83,797 62
Balance Traveling Expense Fund January 1, 1913, ...		$4,202 38

SCHEDULE G.

CONTINGENT FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ... $79,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Maintenance and Equipment—District Offices, ...	$11,849 19	
General Departmental Expense, ...	8,195 65	
Salary National Road Superintendents (Formerly paid out of Contingent), ...	800 02	
Removing Austin Flood Debris, ...	3,318 45	
Express and Freight Charges, ...	1,684 35	
Postage, ...	2,672 40	
Telegraph and Telephone charges, ...	239 25	
Total charges June 1, 1911, to January 1, 1913, ...		$28,759 31
*Balance, Contingent Fund, January 1, 1913, ...		$50,240 69

*NOTE:—Contingent balance is composed of balance in treasury, $40,000, and cash balance in Commonwealth Trust Company, $10,240.69.

SCHEDULE D—Continued.

County.	Section.	Contractor.	Date of contract.	Grading complete.	Foundation complete.	Drainage complete.	Engineering and Inspection.	Advertising cost.	Total construction expense June 1, 1911 to January 1, 1913.
Washington,	1	Hallam Construction Co.,	July 5, 1911,	%	%	%	$83 05		$1,437 55
Washington,	2	Hallam Construction Co.,	July 5, 1911,				83 05		1,478 60
Washington,	3	Hallam Construction Co.,	July 5, 1911,						1,561 65
Somerset,	6	Nolan and Daly,	July 6, 1910,				9 10		920 70
Fayette,	6-A	W. C. McCormick,	Oct. 10, 1910,				562 83		9,685 42
Fayette,	7	Charles T. Eastburn,	Oct. 10, 1910,				14 10		600 44
Fayette,	8	Charles T. Eastburn,	Oct. 10, 1910,				334 17		20,998 53
Fayette,	9	Road and Patton,	Oct. 10, 1910,	100	100	100	1,564 23	$24 12	40,348 17
Fayette,	10	Road and Patton,	Nov. 13, 1911,	69	69	100	2,419 21	61 15	22,568 47
Somerset,	12	Road and Patton,	Nov. 13, 1911,	58	58	100	1,575 76	24 13	27,277 61
Washington,	17	R. B. Taylor, et al,	June 11, 1912,	50	4	100	1,777 50	224 73	17,877 50
Fayette,	5	Engineering work,					1 50		1 50
Fayette,	6	Engineering work,					158 20		110 20
Fayette,	11	Engineering work,					424 34		424 34
Fayette,	13	Engineering work,					424 34		424 34
Fayette,	14	Engineering work,					236 65		236 65
Fayette,	15	Engineering work,					158 94		158 94
	15-A	Engineering work,					466 56		466 56
Washington,	15	Engineering and inspection,					1,052 74		1,052 74
	15-B	Engineering and inspection,					1,274 59		1,274 59
Washington,	16	Engineering,					641 68		641 68
Washington,	17	Engineering,					198 01		198 01
Washington,	18	Engineering,					66 56		66 56
Fayette,	19	Engineering,							
Totals,							$13,389 41	$334 13	$160,284 40

*Note.—Unpaid balance June 1, 1911. †Balance. ‡Bridge. §Complete. ‖Mountain work.

SCHEDULE E.

EXPERIMENTS AND TESTS FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ... $50,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Asphalt for Experimental Work, ...	$8,598 56	
Testing Laboratories—Testing samples, ...	3,041 60	
Salaries—Inspectors:		
E. J. Lewis—7½ months at $150.00—$1,125		
T. J. Keane—4 months at 150.00— 600	1,725 00	
Traveling Expense—Inspectors, ...	1,819 15	
Experimental Roads, Cost, ...	8,862 29	
Advertising Expense, ...	230 85	
Total charges June 1, 1911, to January 1, 1913, ...		$24,276 95
*Balance, Experiments and Tests Fund, January 1, 1913, ...		25,723 05

*NOTE:—Balance shown above subject to accrued charges on estimates not yet filed, and cost of contemplated experimental work. When deducted, balance will be practically exhausted.

SCHEDULE F.

Traveling Expense Fund.

Showing Classification of all Expenses.

June 1, 1911, to January 1, 1913.

June 1, 1911—Total Appropriation, ... $88,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Expense—Commissioner, Deputies, Chief and Bridge Engineer, ...	$12,592 18	
Assistant Engineers, ...	24,285 35	
Superintendents, ...	14,703 51	
Purchase automobiles and equipment cost, ...	29,537 81	
Inventory automobile supplies, ...	2,678 77	
Total charges June 1, 1911, to January 1, 1913, ...	$83,797 62	$83,797 62
Balance Traveling Expense Fund January 1, 1913, ...		$4,202 38

SCHEDULE G.

CONTINGENT FUND APPROPRIATION.

June 1, 1911—Total Appropriation, ... $79,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Maintenance and Equipment—District Offices, ...	$11,849 19	
General Departmental Expense, ...	8,195 65	
Salary National Road Superintendents (Formerly paid out of Contingent), ...	800 02	
Removing Austin Flood Debris, ...	3,318 45	
Express and Freight Charges, ...	1,684 35	
Postage, ...	2,672 40	
Telegraph and Telephone charges, ...	239 25	
Total charges June 1, 1911, to January 1, 1913, ...		$28,759 31
*Balance, Contingent Fund, January 1, 1913, ...		$50,240 69

*NOTE:—Contingent balance is composed of balance in treasury, $40,000, and cash balance in Commonwealth Trust Company, $10,240.69.

SCHEDULE H.

AUTOMOBILE CONTINGENT FUND APPROPRIATION.

June 1, 1911—Total Appropriation,		$100,000 00

CHARGES.

June 1, 1911, to January 1, 1913.

Cost of License Number Plates,		$32,138 46	
Expressage on same,		23,877 41	
Postage,		5,900 00	
Salaries:			
Regular employees,	$21,463 27		
Extra help,	5,016 55	26,479 82	
General Expenses,		657 64	
Total charges June 1, 1911, to January 1, 1913,			$89,053 33
*Balance Automobile Fund, January 1, 1913,			$10,946 67

*Note.—Automobile contingent balance is composed of balance in treasury, $8,536.73, and cash balance in Commercial Bank, $2,409.94.

†.—Balance shown above subject to charges for 1913 license tags and current salaries to June 1, 1913, which will cause a deficiency of at least $25,000.00.

*Note.—A statement of receipts, Automobile Division, for year 1911 and 1912, is as follows:

Year:	Amount:
1911—Total Receipts,	$429,523 50
1912—Total Receipts,	597,723 19
Total Receipts years 1911 and 1912,	$1,027,246 69

20033

END OF
TITLE